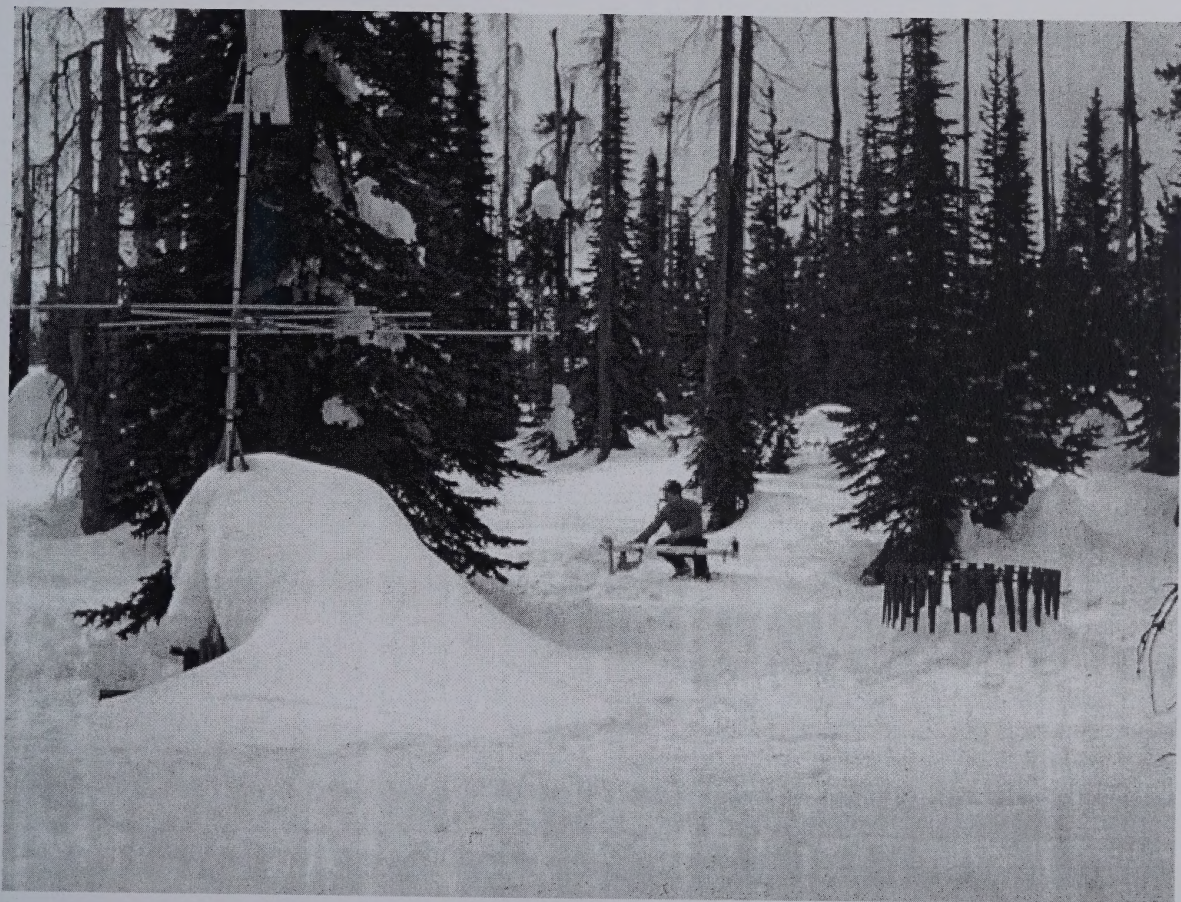


Montana Water Supply Outlook Report March 1, 2003



Water Supply Outlook Report

and

Federal - State - Private Cooperative Snow Surveys

For more water supply and resource management information, contact:
See Attached List

How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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Where to Get More Information

This contact list provides you with the names and phone numbers of individuals who can provide more detailed snow survey information for each county.

Beaverhead County

Victor Hager
683-3800

Dawson County

Linda Peterson-Lohse
365-5566

Hill County

Deana Grabofsky
265-6792

Big Horn County

Evan Van Order
665-3442

Deer Lodge County

Glen Green
846-1703

Jefferson County

Julie Sacks
287-3215

Blaine County

Matthew Crampton
537-2320

Fallon County

Ann Fischer
778-2217

Judith Basin County

Rick Caquelin
566-2311

Broadwater County

Kelly Morris
266-3146

Fergus County

Patty Creamer
538-7401

Lake County

David Wolf
676-2841

Carbon County

Gregory Evertz
962-3641

Flathead County

Angel Rosario
752-4242

Lewis and Clark County

Lex Riggle
449-5278

Carter County

Wayne Yost
775-6355

Gallatin County

Gordon Hill
522-4018

Liberty County

Dawn Wickum
759-5778

Cascade County

Marty Metz
727-7580

Garfield County

Clarence Clayton
557-2740

Lincoln County

Kirk Sullivan
296-2233

Chouteau County

Dan Van Voast
622-5627

Glacier County

Mark Johnson
873-4292

Madison County

Ole Berkram
842-5741

Custer County

Terry Heck
232-7905

Golden Valley County

John Rouane Jr.
323-2103

McCone County

Regan Fanning
485-2744

Daniels County

Stanley French
487-5366

Granite County

Annette Deyling
859-3291

Meagher County

Tammy DeCock
547-3633

(over)

Mineral County

Mike Odegard
829-3395

Roosevelt County

Robert Bray
787-5232

Wibaux County

Katrina Johnson
796-2211

Missoula County

Mike Odegard
829-3395

Rosebud County

Rocky Schwagler
356-7333

Yellowstone County

Shad Weber
657-6135

Musselshell County

John Rouane Jr.
323-2103

Sanders County

Don Feist
826-3701

Park County

Ron Hoagland
222-2899

Sheridan County

Monica Friedrich
765-1801

Petroleum County

Nikki Lott
429-6646

Silver Bow County

Julie Sacks
287-3215

Phillips County

Lorna Philp
654-1334

Stillwater County

Philip Sandoval
322-5359

Pondera County

Anthony Prince
278-3922

Sweet Grass County

Chuck Roloff
932-5160

Powder River County

Carol Hilliard
436-2417

Teton County

Stacy Denny-Eneboe
466-5722

Powell County

Glen Green
846-1703

Toole County

Misty Vermulm
434-5234

Prairie County

Bob Prongua
635-5381

Treasure County

Stewart Greer
342-5510

Ravalli County

Lane Johnson
363-5010

Valley County

Denise Wiedenheft
228-4321

Richland County

Jamie Selting
433-2103

Wheatland County

John Oiestad
632-5534

12/19/02

Montana Water Supply Outlook Report as of March 1, 2003

February storm activity in the southern half of Montana added significant amounts of mountain snow. After a slow start in mountain snow accumulation, February has increased many river basins snowpack by 10 to 15 percent. Storms in the first half of February were associated with warm air and were able to carry a lot of moisture. Towards the end of the month, record cold air pushed across Montana and the associated snowfall had much less moisture, but improvements still occurred.

Snowpack

By March 1 there are normally about four to six weeks remaining in the annual snowfall season. State-wide, mountain snow water content was 79 percent of average and 91 percent of last year. West of the Continental Divide, snowpack was 73 percent of average and 78 percent of last year and east of the Continental Divide, snowpack was 84 percent of average and 109 percent of last year. The Upper Clark Fork, Jefferson, and Gallatin River Basins have beaten the odds of reaching into the 80 percent of average, or more, after having a snowpack at or below 60 percent on January 1. In comparative years, beating these odds has occurred about one third of the time. On the other hand, when the March 1 snowpack is 60 percent of average, or less, recovery to 80 percent or greater by April has occurred 8 percent of the time. Unfortunately, this is what the Fisher, Stillwater-Whitefish, Little Bitterroot-Ashley, Sun, Teton, and Marias River Basins are facing. The Red Lodge-Rock Creek Basins have shown the greatest snowpack improvement over last year and have more than two and a half times more snow water this year than last year at this time.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR	
RIVER BASIN	% OF AVERAGE	% OF LAST YEAR	FEBRUARY % CHANGE
COLUMBIA	73	78	3
KOOTENAI	69	65	-2
FLATHEAD	69	71	0
UPPER CLARK FORK	85	107	8
BITTERROOT	87	101	13
LOWER CLARK FORK	66	61	-1
MISSOURI	82	102	12
MISSOURI HEADWATERS	86	108	11
JEFFERSON	91	122	16
MADISON	75	90	2
GALLATIN	86	97	12
MISSOURI MAINSTEM	74	94	16
HEADWATERS MAINSTEM	90	125	14
SMITH-JUDITH-MUSSELSHELL ..	94	112	20
SUN-TETON-MARIAS	56	65	4
MILK	68	138	51
BEARPAW MOUNTAINS	67	122	50
CYPRESS HILLS, CANADA ...	66	155	48
ST. MARY	71	68	-2
ST. MARY & MILK	69	81	17
YELLOWSTONE	90	125	12
UPPER YELLOWSTONE	92	122	7
LOWER YELLOWSTONE (WYOMING) .	87	128	12
WIND	82	125	12
SHOSHONE	87	127	3
BIGHORN	87	125	10
TONGUE	94	127	14
POWDER	82	117	15

Precipitation

February mountain and valley precipitation across the state was 105 percent of average and 110 percent of last year, while the water year precipitation was 77 percent of average and 84 percent of last year. West of the Continental Divide, February mountain and valley precipitation was 81 percent of average and 83 percent of last year and the water year precipitation was 75 percent of average and 72 percent of last year. East of the Divide, February mountain and valley precipitation was 129 percent of average and 140 percent of last year and the water year precipitation was 79 percent of average and 97 percent of last year.

RIVER BASIN	FEBRUARY % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	81	75
KOOTENAI	51	70
FLATHEAD	67	68
UPPER CLARK FORK	117	82
BITTERROOT	114	89
LOWER CLARK FORK	67	74
MISSOURI	121	78
JEFFERSON	125	82
MADISON	89	75
GALLATIN	131	78
MISSOURI MAINSTEM	155	84
SMITH-JUDITH-MUSSELSHELL	157	84
SUN-TETON-MARIAS	82	64
MILK	162	82
ST. MARY	63	66
YELLOWSTONE	140	89
UPPER YELLOWSTONE	134	91
LOWER YELLOWSTONE (WYOMING) ..	140	87
WIND	127	86
SHOSHONE	108	97
BIGHORN	156	87
TONGUE	169	98
POWDER	119	89

Reservoirs

Major reservoir storages State-wide were 92 percent of average and 101 percent of last year. Reservoir storage west of the Continental Divide was 145 percent of average and 116 percent of last year. East of the Continental Divide, reservoir storages were 78 percent of average and 94 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	145	116
KOOTENAI	182	134
FLATHEAD	122	105
UPPER CLARK FORK	104	113
BITTERROOT	72	83
LOWER CLARK FORK	103	96
MISSOURI	78	94
JEFFERSON	46	86
MADISON	106	101
GALLATIN	129	92
MISSOURI MAINSTEM	76	92
SMITH-JUDITH-MUSSELSHELL	36	141
SUN-TETON-MARIAS	117	129
MILK	102	505
ST. MARY	49	66
YELLOWSTONE	75	92
UPPER YELLOWSTONE	116	117
LOWER YELLOWSTONE	74	91

Streamflow

Streamflows across Montana are forecast to average 51 to 61 percent of normal. West of the Continental Divide, streamflows are forecast to average 57 to 66 percent of normal and east of the Continental Divide, streamflows are forecast to average 46 to 58 percent of normal.

There are several areas across the state where spring and summer streamflows could be similar or below those of last year. Water users and water managers need to review the snowpack and streamflow forecasts in their areas to access local conditions.

Below are river basin streamflow forecast summaries for the period April 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL SPRING CONDITIONS AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR WELL ABOVE AVERAGE (130% or more) SNOWMELT OR SPRING RAIN. Specific forecast probabilities are available in each individual River Basin Report.

RIVER BASIN	April-July THIS YEAR		April-July LAST YEAR	
	% OF AVERAGE		% OF AVERAGE	
COLUMBIA	57 to 66	.....	67 to 78	.....
KOOTENAI	55 to 64	.....	76 to 85	.....
FLATHEAD	53 to 59	.....	72 to 81	.....
UPPER CLARK FORK	59 to 71	.....	48 to 62	.....
BITTERROOT	71 to 80	.....	73 to 83	.....
LOWER CLARK FORK	53 to 60	.....	74 to 83	.....
MISSOURI	40 to 52	.....	52 to 65	.....
JEFFERSON	41 to 56	.....	46 to 62	.....
MADISON	60 to 68	.....	72 to 79	.....
GALLATIN	59 to 70	.....	61 to 72	.....
MISSOURI MAINSTEM	41 to 54	.....	50 to 67	.....
SMITH-JUDITH-MUSSELSHELL .	36 to 46	.....	39 to 52	.....
SUN-TETON-MARIAS	33 to 47	.....	57 to 75	.....
MILK	38 to 45	.....	38 to 52	.....
ST. MARY	60 to 67	.....	77 to 84	.....
YELLOWSTONE	55 to 65	.....	49 to 59	.....
UPPER YELLOWSTONE	66 to 76	.....	56 to 65	.....
LOWER YELLOWSTONE	40 to 50	.....	41 to 53	.....

NOTE: The APRIL-JULY LAST YEAR % OF AVERAGE column above is what was forecast last year, not what actually occurred.

Surface Water Supply Index

The Surface Water Supply Index (SWSI) is a measure of available surface water availability for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

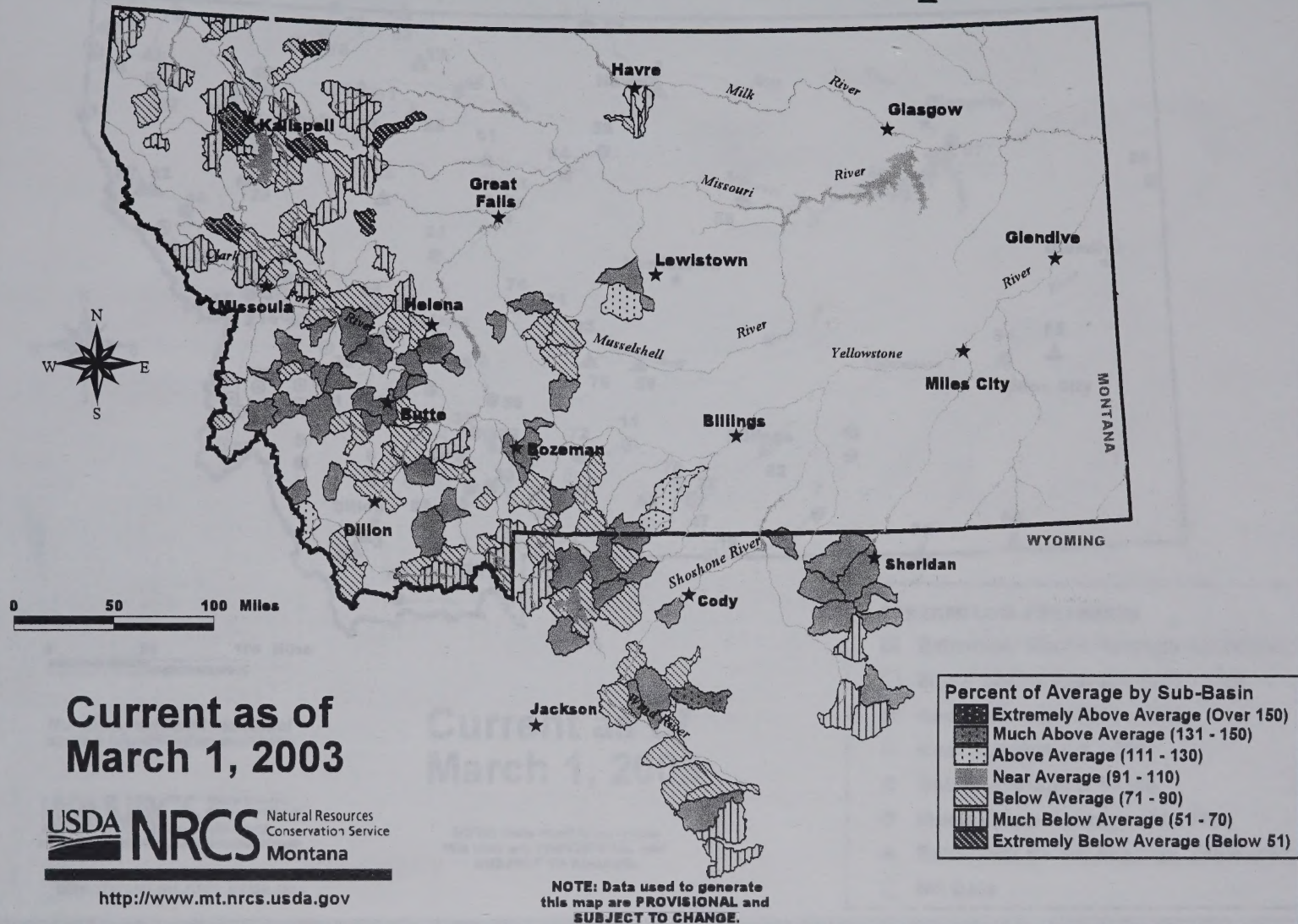
SWSI RATING	SURFACE WATER CONDITION
+3.0 to +4.0	Extremely Wet
+2.0 to +2.9	Moderately Wet
+1.0 to +1.9	Slightly Wet
-0.9 to +0.9	Near Average
-1.0 to -1.9	Slightly Dry
-2.0 to -2.9	Moderately Dry
-3.0 to -4.0	Extremely Dry

SWSI

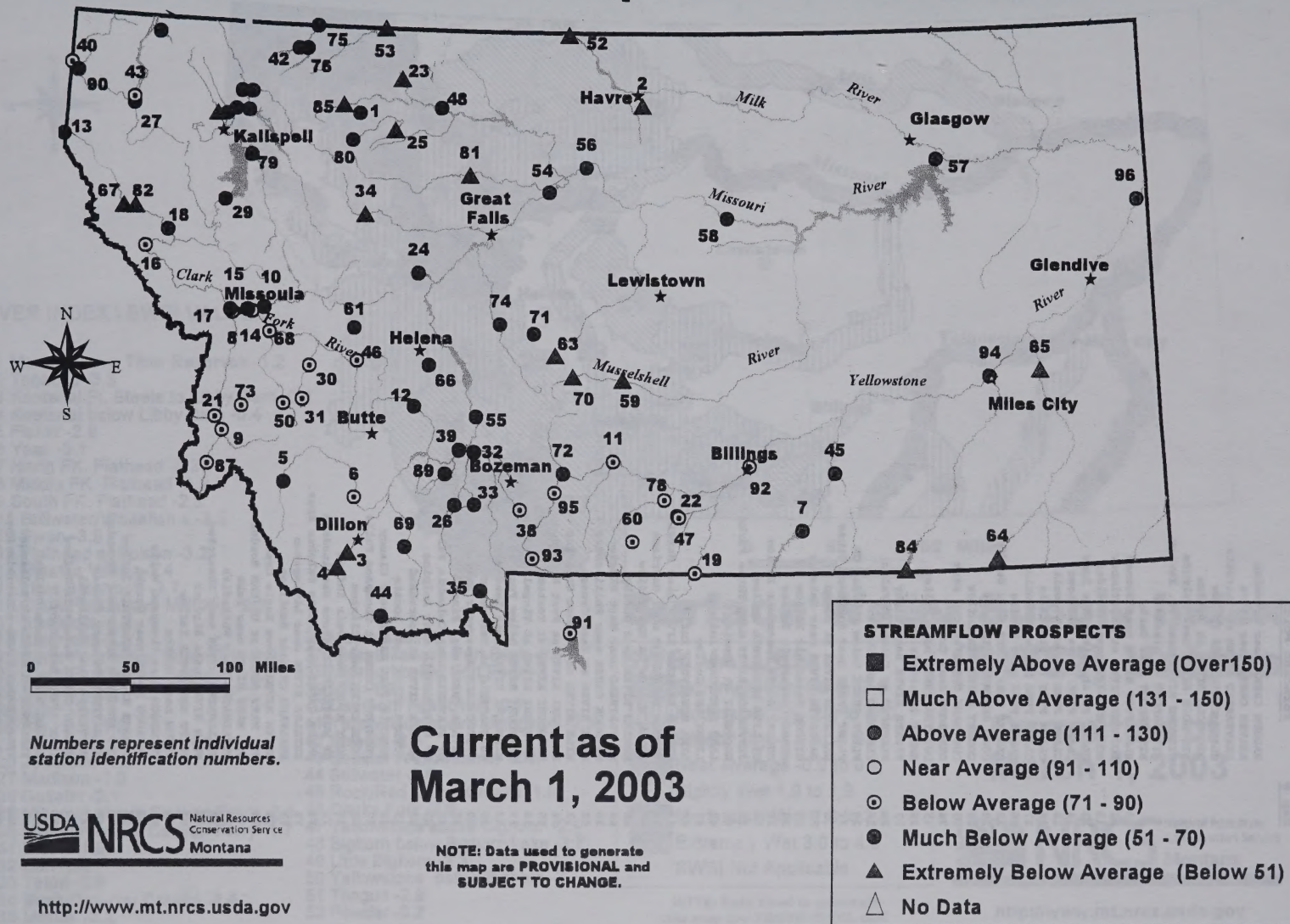
Basin

-3.3	Tobacco River
-0.4	Kootenai Ft. Steele to Libby Dam
-0.4	Kootenai River below Libby Dam
-2.9	Fisher River
-3.1	Yaak River
-3.3	North Fork Flathead River
-3.2	Middle FORK Flathead River
-2.3	South Fork Flathead River
-3.1	Flathead River at Columbia Falls
-3.5	Stillwater/Whitefish Rivers
-3.9	Swan River
-3.2	Flathead River at Polson
-2.4	Mission Valley
-2.7	Little Bitterroot River
-2.8	Clark Fork River above Milltown
-3.3	Blackfoot River
-2.3	Bitterroot River
-2.9	Clark Fork River below Bitterroot River
-3.1	Clark Fork River below Flathead River
-4.0	Beaverhead River
-3.7	Ruby River
-1.8	Big Hole River
-1.8	Boulder River (Jefferson)
-1.9	Jefferson River
-1.9	Madison River
-2.1	Gallatin River
-2.3	Missouri River above Canyon Ferry
-1.7	Missouri River below Canyon Ferry
-1.9	Smith River
-3.9	Sun River
-2.6	Teton River
-2.4	Birch/Dupuyer Creeks
-2.2	Marias River above Tiber
-1.2	Marias River below Tiber
-2.9	Musselshell River
-0.8	Missouri River above Ft. Peck
-3.0	Missouri River below Ft. Peck
-1.9	Milk River
-2.7	Dearborn River near Craig
-2.3	Yellowstone River above Livingston
-2.3	Shields River
-2.8	Boulder River (Yellowstone)
-2.6	Stillwater River
-1.8	Rock/Red Lodge Creeks
-2.6	Clarks Fork River
-2.4	Yellowstone River above Bighorn River
-3.7	Bighorn River below Bighorn Lake
-2.3	Little Bighorn River
-3.0	Yellowstone River below Bighorn River
-2.9	Tongue River
-3.2	Powder River

Mountain Snow Water Equivalent



Streamflow Prospects for Montana



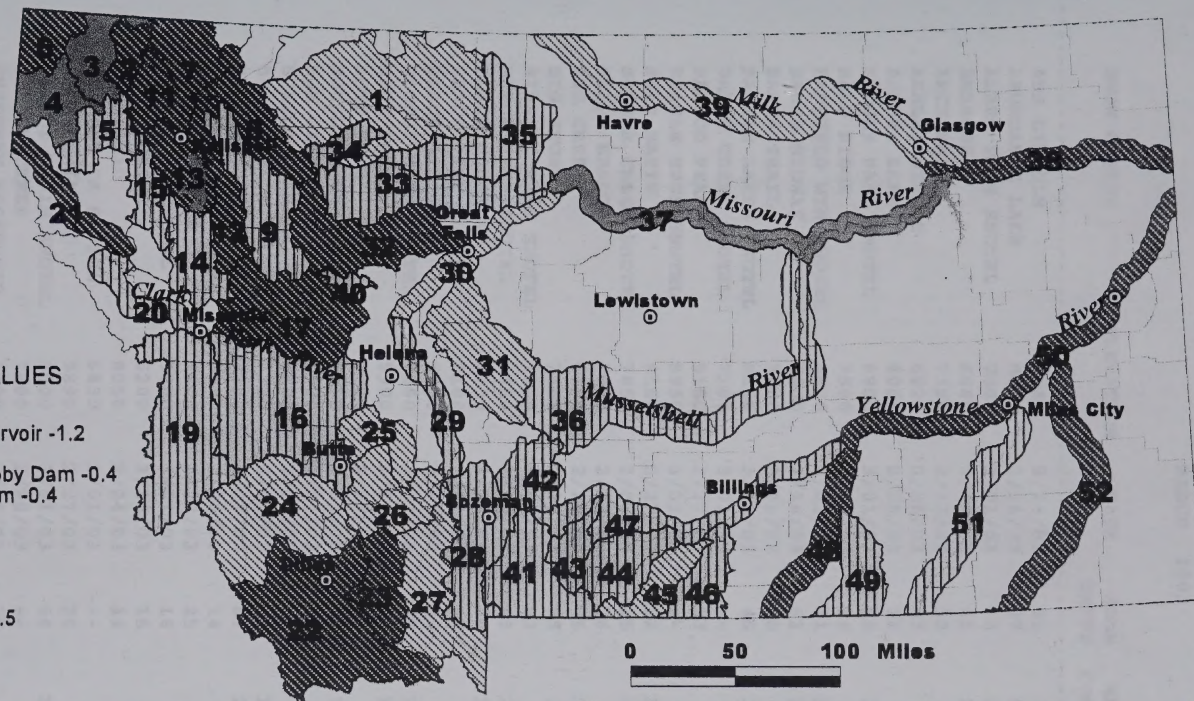
Map #Forecast Point

1	BADGER CREEK near Browning
2	BEAVER CREEK near Havre
3	BEAVERHEAD RIVER at Barretts
4	CLARK CANYON RES Inflow
5	BIG HOLE RIVER at Wisdom
6	BIG HOLE RIVER near Melrose
7	BIGHORN RIVER near St. Xavier
8	BITTERROOT at Missoula
9	BITTERROOT near Darby
10	BLACKFOOT RIVER near Bonner
11	BOULDER RIVER at Big Timber
12	BOULDER RIVER near Boulder
13	CLARK FK at Whitehorse Rds
14	CLARK FORK above Milltown
15	CLARK FORK above Missoula
16	CLARK FORK at St. Regis
17	CLARK FORK below Missoula
18	CLARK FORK near Plains
19	CLARKS FORK RIVER near Belfry
21	COMO RESERVOIR Inflow
22	COONEY RESERVOIR Inflow
23	CUT BANK CREEK at Cut Bank
24	DEARBORN near Crag
25	DUPUYER CREEK near Valier
26	ENNIS Reservoir Inflow
27	FISHER RIVER near Libby
28	FLATHEAD at Columbia Falls
29	FLATHEAD Lake Inflow
30	FLINT CREEK below Boulder Ck
31	FLINT CREEK near Southern Cross
32	GALLATIN RIVER at Logan
33	GALLATIN RIVER near Gateway
34	GIBSON Reservoir Inflow
35	HEBGEN Reservoir Inflow
36	HUNGRY HORSE Reservoir Inflow
38	HYALITE RESERVOIR Inflow
39	JEFFERSON RIVER near Three Forks
40	KOOTENAI at Leona
42	LAKE SHERBURNE Inflow
43	LIBBY RES Inflow
44	LIMA RESERVOIR Inflow
45	LITTLE BIGHORN RIVER near Hardin
46	LITTLE BLACKFOOT near Garrison
47	LOWER WILLOW CK RES Inflow
48	MARIAS RIVER near Shelby
49	MF FLATHEAD near West Glacier
50	MF ROCK CREEK near Philipsburg
52	MILK RIVER at East Cross.
53	MILK RIVER at Western Crossing
54	MISSOURI RIVER at Fort Benton
55	MISSOURI RIVER at Toston
56	MISSOURI RIVER at Virgelle
57	MISSOURI RIVER below Fort Peck
58	MISSOURI RIVER near Landusky
59	MUSSELSHELL at Harlowton
60	MYSTIC LAKE Reservoir Inflow
61	NEVADA CREEK near Finn
62	NF FLATHEAD near Columbia Falls
63	NF MUSSELSHELL near Delpine
64	POWDER RIVER at Moorehead
65	POWDER RIVER near Locate
66	PRICKLY PEAR CREEK near Clancy
67	PROSPECT CREEK at Thompson Falls
68	ROCK CREEK near Clinton
69	RUBY RIVER Reservoir Inflow
70	SF MUSSELSHELL above Martinsdale
71	SHEEP CREEK near White Sulphur Spgs.
72	SHIELDS RIVER near Livingston
73	SKALKAHO CK near Hamilton
74	SMITH RIVER above Eagle Creek
75	ST. MARY RIVER at US/CAN Border
76	ST. MARY RIVER near Babb
77	STILLWATER near Whitefish
78	STILLWATER RIVER near Absarokee
79	SWAN RIVER near Bigfork
80	SWIFT RESERVOIR Inflow
81	TETON near Dutton
82	THOMPSON near Thompson Falls
83	TOBACCO RIVER near Eureka
84	TONGUE RIVER RESERVOIR Inflow
85	TWO MEDICINE RIVER near Browning
87	WF BITTERROOT near Conner
88	WHITEFISH near Kalispell
89	WILLOW CREEK Reservoir Inflow
90	YAAK RIVER near Troy
91	YELLOWSTONE at Lake Outlet
92	YELLOWSTONE RIVER at Billings
93	YELLOWSTONE RIVER at Corwin Spgs
94	YELLOWSTONE RIVER at Miles City
95	YELLOWSTONE RIVER near Livingston
96	YELLOWSTONE RIVER near Sidney



RIVER INDEX \ SWSI VALUES

- 1 Marias above Tiber Reservoir -1.2
- 2 Tobacco -3.3
- 3 Kootenai Ft. Steele to Libby Dam -0.4
- 4 Kootenai below Libby Dam -0.4
- 5 Fisher -2.9
- 6 Yaak -3.1
- 7 North FK. Flathead -3.3
- 8 Middle FK. Flathead -3.2
- 9 South FK. Flathead -2.3
- 11 Stillwater/Whitefish s -3.5
- 12 Swan -3.9
- 13 Flathead at Polson -3.2
- 14 Mission Valley -2.4
- 15 Little Bitterroot -2.7
- 16 Clark Fork above Milltown -2.8
- 17 Blackfoot -3.3
- 19 Bitterroot -2.3
- 20 Clark Fork below Bitterroot -2.9
- 21 Clark Fork below Flathead -3.1
- 22 Beaverhead -4
- 23 Ruby -3.7
- 24 Big Hole -1.8
- 25 Boulder (Jefferson) -1.8
- 26 Jefferson -1.9
- 27 Madison -1.9
- 28 Gallatin -2.1
- 29 Missouri above Canyon Ferry -2.3
- 30 Missouri below Canyon Ferry -1.7
- 31 Smith -1.9
- 32 Sun -3.9
- 33 Teton -2.6
- 34 Birch/Dupuyer Creeks -2.4
- 35 Marias -2.2
- 36 Musselshell -2.9
- 37 Missouri above Fort Peck -0.8
- 38 Missouri below Fort Peck -3
- 39 Milk -1.9
- 40 Dearborn near Craig -2.7
- 41 Yellowstone above Livingston -2.3
- 42 Shields -2.3
- 43 Boulder (Yellowstone) -2.8
- 44 Stillwater -2.6
- 45 Rock/Red Lodge Creeks -1.8
- 46 Clarks Fork -2.6
- 47 Yellowstone above Bighorn -2.4
- 48 Bighorn below Bighorn Lake -3.7
- 49 Little Bighorn -2.3
- 50 Yellowstone below Bighorn -3
- 51 Tongue -2.9
- 52 Powder -3.2



Surface Water Supply Index (SWSI) Values

Current as of
March 1, 2003

USDA **NRCS** Natural Resources
Conservation Service
Montana

SWSI VALUES

- Extremely Dry -4.0 to -3.0
- Moderately Dry -2.9 to -2.0
- Slightly Dry -1.9 to -1.0
- Near Average -0.9 to 0.9
- Slightly Wet 1.0 to 1.9
- Moderately Wet 2.0 to 2.9
- Extremely Wet 3.0 to 4.0
- SWSI Not Applicable

NOTE: Data used to generate
this map are PROVISIONAL and
SUBJECT TO CHANGE.

<http://www.mt.nrcs.usda.gov>

SNOTEL AND SNOW COURSE SUMMARY
MARCH 2003

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ABE LINCOLN	4440	2/24/03	32	8.3	17.4	17.0
ABUNDANCE LAKE	8800	2/24/03	57	14.8	13.8	16.7
ALBRO LAKE SNOTEL	8300	3/01/03	43	11.0	11.0	16.5
AMBROSE	6480	3/03/03	41	10.3	7.6	10.5
ARCH FALLS	7350	2/27/03	33	7.8	7.6	9.0
ASHLEY DIVIDE	4820	2/25/03	13	2.4	4.6	6.2
ASHLEY LAKE	4000	2/25/03	12	2.2	3.9	5.3
BADGER PASS SNOTEL	6900	3/01/03	58	17.8	29.7	29.7
BALD RIDGE	7500	2/25/03	36	9.2	--	--
BANFIELD MTN SNOTEL	5600	3/01/03	41	11.1	17.1	17.0
BARRE MIDWAY	4600	2/26/03	61	18.5	27.4	28.7
BARRE TRAIL	3800	2/26/03	20	5.9	11.6	8.2
BARKER LAKES SNOTEL	8250	3/01/03	40	10.2	7.3	11.1
BASIN CREEK SNOTEL	7180	3/01/03	---	6.2	4.1	6.1
BASSOO PEAK	5150	2/27/03	23	6.4	7.6	9.0
BEAGLE SPGS SNOTEL	8850	6/01/03	---	6.2	5.4	7.0
BEAR BASIN	8150	2/27/03	52	13.8	15.6	16.6
BEAVER CREEK SNOTEL	7850	3/01/03	45	11.2	14.2	14.5
BERRY MEADOW	7000	2/27/03	26	6.3	3.0	5.9
BIG CREEK	6750	2/24/03	75	24.3	--	36.2
BIG SNOWY	7150	2/26/03	55	16.1	13.8	15.3
BISSON CREEK SNOTEL	4920	3/01/03	23	6.2	7.9	8.7
BLACK BEAR SNOTEL	7950	3/01/03	89	26.7	31.8	32.9
BLACK MOUNTAIN	7750	2/26/03	45	11.8	6.8	11.4
BLACK PINE SNOTEL	7100	3/01/03	39	9.8	6.1	10.1
BLACKTAIL	5650	2/25/03	29	7.7	10.4	12.3
BLOODY DICK SNOTEL	7550	3/01/03	45	11.2	7.4	10.6
BLUE LAKE	5900	2/23/03	44	10.9	17.6	21.1
BOTS SOTS	7750	2/27/03	29	6.7	3.0	6.2
BOULDER MTN SNOTEL	7950	3/01/03	55	15.5	15.2	16.6
BOX CANYON SNOTEL	6700	3/01/03	31	7.7	6.2	8.5
BOXELDER CREEK	5100	2/27/03	16	3.4	3.1	6.5
BRACKETT CR SNOTEL	7320	3/01/03	57	17.0	16.1	17.0
BRANHAM LAKES	8850	2/27/03	67	20.6	21.2	23.6
BRUSH CREEK TIMBER	5000	2/26/03	14	3.5	6.2	7.5
BULL MOUNTAIN	6600	2/27/03	25	6.2	4.0	5.1
BURNT MTN SNOTEL	5880	3/01/03	18	4.8	2.3	--
CABIN CREEK	5200	2/25/03	15	2.2	3.8	5.4
CALL ROAD	8050	2/24/03	39	8.7	5.8	9.2
CALVERT CR SNOTEL	6430	3/01/03	---	7.3	5.5	7.5
CAMP SENIA	7890	2/27/03	25	5.6	1.6	4.6
CARROT BASIN SNOTEL	9000	3/01/03	64	16.5	20.4	22.6
CARTER CREEK	7400	2/28/03	---	3.7E	2.9	4.2
CHESSMAN RESERVOIR	6200	2/28/03	10	2.0	1.0	3.1
CHICKEN CREEK	4060	2/27/03	40	11.1	14.2	14.4
CLOVER MDW SNOTEL	8800	3/01/03	45	12.2	12.7	14.2
COLE CREEK SNOTEL	7850	3/01/03	53	14.5	3.8	12.0
COLLEY CREEK	6300	2/27/03	28	6.3	5.2	7.0
COMBINATION SNOTEL	5600	3/01/03	---	5.6	3.2	4.5
COPPER BOTTOM SNOTEL	5200	3/01/03	25	6.8	9.7	9.9
COPPER CAMP SNOTEL	6950	3/01/03	62	20.3	31.0	27.8
COPPER CREEK	5700	2/22/03	30	5.6	11.9	12.5
COPPER MOUNTAIN	7700	2/23/03	37	7.9	6.1	8.9
COTTONWOOD CREEK	6400	2/28/03	27	6.2	3.0	6.0
COYOTE HILL	4200	2/28/03	19	5.4	7.0	9.1

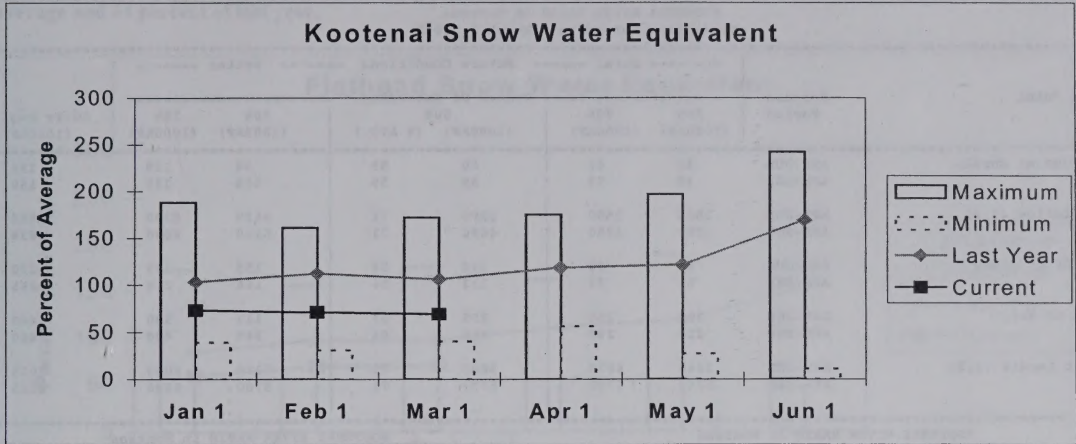
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
CREVICE MOUNTAIN	8400	2/28/03	34	8.6	8.6	9.0
CRYSTAL LAKE SNOTEL	6050	3/01/03	---	11.3	8.6	9.6
DAD CREEK LAKE	8400	2/24/03	40	9.4	7.9	11.2
DAISY PEAK SNOTEL	7600	3/01/03	---	6.8	7.2	8.7
DALY CREEK SNOTEL	5780	3/01/03	38	9.6	6.6	9.4
DARKHORSE LK. SNOTEL	8700	3/01/03	82	24.1	21.1	26.6
DAVIS CREEK	5400	2/25/03	54	16.9	21.1	20.7
DEADMAN CR SNOTEL	6450	3/01/03	---	7.9	6.4	8.5
DESERT MOUNTAIN	5600	2/22/03	40	8.6	10.2	12.6
DISCOVERY BASIN	7050	2/27/03	39	9.1	4.5	8.4
DIVIDE SNOTEL	7800	3/01/03	31	6.6	6.5	8.7
DIX HILL	6400	2/23/03	34	7.6	7.6	10.0
DUPUYER CREEK SNOTEL	5750	3/01/03	14	3.4	4.7	9.2
EAST FORK R.S.	5400	3/05/03	24	5.3	3.3	5.6
EL DORADO MINE	7800	2/28/03	55	15.6	11.0	15.8
ELK HORN SPRINGS	7800	2/24/03	35	8.0	5.4	7.6
ELK PEAK	8000	2/26/03	40	10.8	9.4	12.6
EMERY CREEK SNOTEL	4350	3/01/03	---	9.5	10.5	13.3
FATTY CREEK	5500	2/24/03	50	14.9	16.6	20.4
FISH CREEK	8000	2/25/03	29	6.6	3.8	7.8
FISHER CREEK SNOTEL	9100	3/01/03	88	26.5	23.2	29.6
FIVE-BULL	5700	2/21/03	8	1.3	4.0	5.3
FLATTOP MTN SNOTEL	6300	3/01/03	97	30.4	41.9	39.2
FLEECER RIDGE	7500	2/27/03	32	8.8	7.4	9.2
FOOLHEN	8280	2/24/03	45	11.4	10.6	13.2
FOUR MILE	6900	2/26/03	26	6.3	4.1	6.8
FOURTH OF JULY	3450	2/24/03	16	4.1	7.7	8.4
FREIGHT CREEK	6000	2/23/03	25	5.4	8.7	12.6
FROHNER MDWS SNOTEL	6480	3/01/03	26	6.3	3.7	6.3
GARVER CREEK SNOTEL	4250	3/01/03	27	7.5	9.1	9.1
GOAT MOUNTAIN	7000	2/28/03	19	4.1	6.8	8.7
GRASSHOPPER	7000	2/26/03	17	3.9	3.2	4.7
GRAVE CRK SNOTEL	4300	3/01/03	---	11.6	13.8	14.5
GRIFFIN CR DIVIDE	5150	2/27/03	18	4.5	7.8	9.5
HAND CREEK SNOTEL	5030	3/01/03	23	5.7	7.6	9.9
HAWKINS LAKE SNOTEL	6450	3/01/03	54	16.8	24.0	23.1
HEBGEN DAM	6550	2/28/03	31	6.5	8.2	10.8
HELL ROARING DIVIDE	5770	2/27/03	58	20.0	24.8	25.8
HERRIG JUNCTION	4850	2/27/03	60	19.4	23.0	22.2
HOLBROOK	4530	2/28/03	18	5.0	8.7	8.3
HOODOO BASIN SNOTEL	6050	3/01/03	85	23.4	41.4	38.6
ICEBERG LAKE NO 3	5600	2/26/03	58	18.8	--	--
INDEPENDENCE	7850	2/27/03	46	13.3	11.9	15.0
INTERGAARD	6450	2/26/03	26	5.7	2.0	6.2
JOHNSON PARK	6450	2/28/03	22	4.8	4.0	5.4
JOSEPHINE LOWER NO 9	4900	2/27/03	25	6.8	--	--
KISHENEHN	3890	2/24/03	20	4.7	8.0	7.3
KRAFT CREEK SNOTEL	4750	3/01/03	---	10.0	12.0	13.6
LAKE CREEK	6100	2/24/03	23	5.0	5.9	7.4
LAKEVIEW CANYON	6930	2/27/03	26	5.7	7.6	8.5
LAKEVIEW RDG. SNOTEL	7400	3/01/03	30	6.7	8.4	9.2
LEMHI RIDGE SNOTEL	8100	3/01/03	41	10.1	6.3	8.7
LICK CREEK SNOTEL	6860	3/01/03	37	9.7	5.8	9.5
LITTLE PARK	7400	2/27/03	40	10.3	11.8	13.0
LOGAN CREEK	4300	2/26/03	16	3.7	4.6	6.2
LONE MOUNTAIN SNOTEL	8880	3/01/03	45	12.2	14.9	15.0
LOWER TWIN SNOTEL	7900	3/01/03	48	12.4	9.4	15.1
LUBRECHT SNOTEL	4680	3/01/03	16	4.2	4.5	5.3
LUBRECHT FOREST NO 3	5450	2/25/03	17	3.6	4.1	5.6
LUBRECHT FOREST NO 4	4650	2/25/03	8	1.6	1.8	2.7

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
LUBRECHT FOREST NO 6	4040	2/26/03	8	1.8	2.8	3.2
LUBRECHT HYDROPLOT	4200	2/25/03	14	3.6	4.0	5.1
MADISON PLT SNOTEL	7750	3/01/03	56	14.6	17.4	20.9
MANY GLACIER SNOTEL	4900	3/01/03	26	7.0	16.0	14.4
MARIAS PASS	5250	2/27/03	27	7.3	15.1	14.9
MIDDLE MILL CREEK	7850	2/27/03	47	13.2	9.6	13.3
MILL CREEK	7500	2/27/03	41	10.0	9.5	10.2
MINERAL CREEK	4000	2/28/03	40	11.8	14.0	15.8
MONUMENT PK SNOTEL	8850	3/01/03	58	15.4	15.8	17.2
MOSS PEAK SNOTEL	6780	3/01/03	75	23.0	28.3	31.3
MOULTON RESERVOIR	6850	2/24/03	34	7.6	3.6	6.2
MOUNT ALLEN NO 7	5700	2/27/03	78	24.6	--	--
MT LOCKHART SNOTEL	6400	3/01/03	42	11.7	16.1	17.6
MULE CREEK SNOTEL	8300	3/01/03	46	11.8	10.1	13.1
N.E. ENTRANCE SNOTEL	7350	3/01/03	---	8.5	5.6	9.7
NEVADA RIDGE SNOTEL	7020	3/01/03	41	11.5	9.5	13.2
NEW WORLD	6900	2/25/03	47	12.0	8.3	11.1
NEWTON MOUNTAIN	5600	2/24/03	59	19.2	29.3	28.8
NEZ PERCE CMP SNOTEL	5650	3/01/03	---	10.2	9.7	12.7
NEZ PERCE CREEK	6600	2/23/03	29	5.8	2.0	5.6
NEZ PERCE PASS	6570	3/04/03	51	12.7	10.9	15.7
N.F. ELK CR SNOTEL	6250	3/01/03	35	8.7	8.0	10.2
NF JOCKO SNOTEL	6330	3/01/03	85	27.7	43.8	38.5
NOISY BASIN SNOTEL	6040	3/01/03	73	24.4	32.6	33.8
NOTCH	8500	2/24/03	47	11.8	11.4	12.4
OPHIR PARK	7150	2/23/03	42	10.2	9.2	14.1
PETERSON MDW SNOTEL	7200	3/01/03	---	9.1	4.0	7.8
PICKFOOT CRK SNOTEL	6650	3/01/03	---	8.8	6.8	9.9
PIEGAN PASS NO 6	5500	2/27/03	67	21.0	--	--
PIKE CREEK SNOTEL	5930	3/01/03	47	13.1	21.7	22.8
PIPESTONE PASS	7200	2/22/03	18	3.4	2.0	4.1
PLACER BASIN SNOTEL	8830	3/01/03	47	12.5	11.1	14.2
POORMAN CR SNOTEL	5100	3/01/03	70	20.4	35.5	28.2
PORCUPINE SNOTEL	6500	3/01/03	24	6.0	4.5	5.8
POTOMAGETON PARK	7150	3/03/03	41	9.3	11.3	12.1
PTARMIGAN	5800	2/26/03	61	19.4	--	--
RED TOP	5260	2/24/03	53	15.8	22.8	23.8
REVAIS CREEK	4800	2/27/03	6	1.0	2.7	3.1
ROCK CREEK	5600	2/26/03	35	9.8	7.6	8.4
ROCK CREEK MEADOW	8160	2/25/03	53	12.8	14.8	16.6
ROCKER PEAK SNOTEL	8000	3/01/03	42	10.8	7.5	11.2
ROCKY BOY SNOTEL	4700	3/01/03	15	2.9	3.2	4.3
SACAJAWEA	6550	2/26/03	43	11.6	10.5	11.2
SACAJAWEA SNOTEL	6550	3/01/03	44	12.3	10.9	12.0
SADDLE MTN SNOTEL	7900	4/01/03	70	20.7	18.4	21.8
S.F. SHIELDS SNOTEL	8100	3/01/03	---	11.7	10.2	13.6
SHORT CREEK SNOTEL	7000	3/01/03	---	4.6	3.3	4.9
SHOWER FALLS SNOTEL	8100	3/01/03	59	15.4	15.4	17.4
SKALKAHO SNOTEL	7260	3/01/03	63	18.1	17.9	20.2
SLEEPING WOMAN SNTL	6150	3/01/03	40	9.8	12.5	14.0
SLIDE ROCK MOUNTAIN	7100	2/27/03	36	9.9	8.3	12.6
SMUGGLER MINE	6960	2/27/03	33	8.2	5.4	8.1
SPOTTED BEAR MTN.	7000	2/23/03	38	9.2	9.2	12.7
SPUR PARK SNOTEL	8100	3/01/03	53	14.5	14.6	17.7
STAHL PEAK SNOTEL	6030	3/01/03	---	23.2	34.8	29.9
STEMPLE PASS	6600	2/27/03	24	5.6	6.3	8.3
STORM LAKE	7780	2/27/03	42	9.8	5.6	10.2
STRYKER BASIN	6180	2/27/03	63	20.0	29.6	26.9
STUART MOUNTAIN SNTL	7400	3/01/03	72	22.1	27.8	28.9
SUCKER CREEK	3960	2/27/03	7	1.0	.3	.3

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
TAYLOR ROAD	4080	2/27/03	10	2.0	1.0	2.7
TEN MILE LOWER	6600	2/28/03	26	6.0	3.3	5.9
TEN MILE MIDDLE	6800	2/28/03	33	7.6	5.4	8.9
TEPEE CREEK SNOTEL	8000	3/01/03	36	8.6	10.5	10.7
TIMBERLINE CREEK	8850	2/27/03	43	10.9	6.5	11.0
TIZER BASIN SNOTEL	6840	3/01/03	33	7.7	6.7	7.9
TRAIL CREEK	7090	2/24/03	40	9.4	5.6	7.0
TRINKUS LAKE	6100	2/23/03	78	26.4	35.4	36.4
TRUMAN CREEK	4060	2/25/03	9	2.4	4.0	4.4
TV MOUNTAIN	6800	2/24/03	41	10.3	13.5	15.2
TWELVEMILE SNOTEL	5600	3/01/03	44	11.9	14.7	16.0
TWENTY-ONE MILE	7150	3/01/03	37	9.1	11.2	14.3
TWIN CREEKS	3580	2/23/03	20	4.2	8.6	10.2
TWIN LAKES SNOTEL	6400	3/01/03	83	29.8	36.4	34.7
UPPER HOLLAND LAKE	6200	2/23/03	76	23.2	31.5	30.0
WALDRON SNOTEL	5600	3/01/03	23	6.0	7.6	9.7
WARM SPRINGS SNOTEL	7800	3/01/03	---	17.4	13.8	17.0
WEASEL DIVIDE	5450	2/28/03	61	17.4	31.6	28.7
WEST YELL'ST SNOTEL	6700	3/01/03	---	7.5	8.4	11.2
WHISKEY CREEK SNOTEL	6800	3/01/03	44	9.9	12.3	14.4
WHITE MILL SNOTEL	8700	3/01/03	72	20.1	15.2	20.3
WHITE PINE RIDGE	8850	2/24/03	19	3.9	3.6	4.7
WILLOW CREEK	6500	2/26/03	30	8.2	2.0	6.3
WOOD CREEK SNOTEL	5960	3/01/03	15	4.3	6.9	8.2
WRONG CREEK	5700	2/26/03	28	5.9	9.3	11.0
WRONG RIDGE	6800	2/26/03	---	9.4E	14.3	15.4

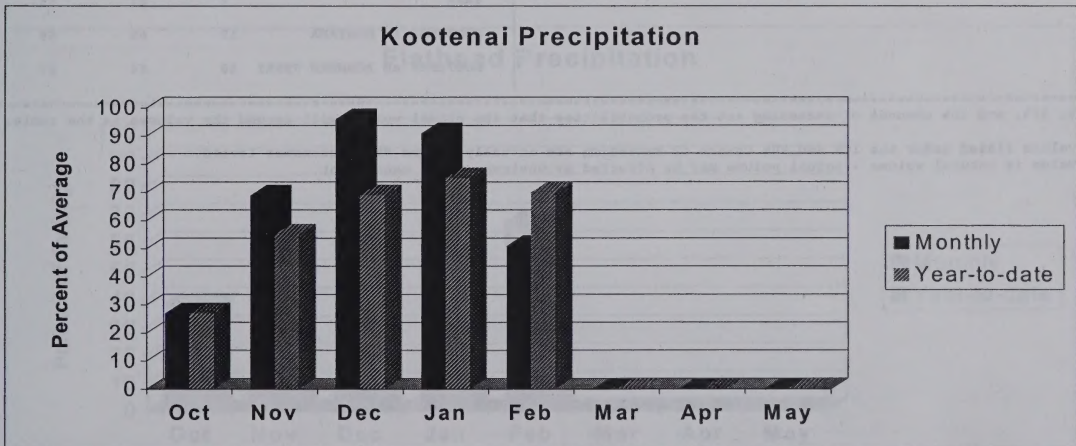
Kootenai River Basin in Montana

Snowpack conditions in the Kootenai River Basin were well below average. Snow water content was 69 percent of average and 65 percent of last year. Snow water content in the Kootenay in Canada was 62 percent of average and 61 percent of last year.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 2001; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during February was 52 percent of average and 46 percent of last year. Valley precipitation during February was 29 percent of average and 34 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2002, was 70 percent of average and 58 percent of last year.



Lake Koocanusa storage was 182 percent of average and 134 percent of last year.

Surface Water Supply Index (SWSI) was -3.3 in the Tobacco River; -0.4 in the Kootenai Ft. Steele to Libby Dam; -0.4 in the Kootenai River below Libby Dam; -2.9 in the Fisher River; and -3.1 in the Yaak River.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - March 1, 2003

Forecast Point	Forecast Period	<<----- Drier -----		Future Conditions		----- Wetter ----->>		30-Yr Avg. (1000AF)
		90%	70%	50%		30%	10%	
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	
TOBACCO RIVER nr Eureka	APR-JUL	45	66	80	59	94	115	136
	APR-SEP	49	73	89	59	105	129	150
LIBBY RES Inflow (1,2)	APR-JUL	2590	3550	3990	71	4430	5390	5638
	APR-SEP	3290	4250	4690	71	5130	6090	6638
FISHER RIVER nr Libby	APR-JUL	47	93	124	54	155	199	230
	APR-SEP	51	99	132	54	164	214	245
YAAK RIVER nr Troy	APR-JUL	200	255	295	67	335	390	440
	APR-SEP	210	265	305	66	345	400	460
KOOTENAI at Leonia (1,2)	APR-JUL	3940	4670	5000	71	5330	6060	7035
	APR-SEP	5740	5760	5770	71	5780	5800	8125

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of February

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - March 1, 2003

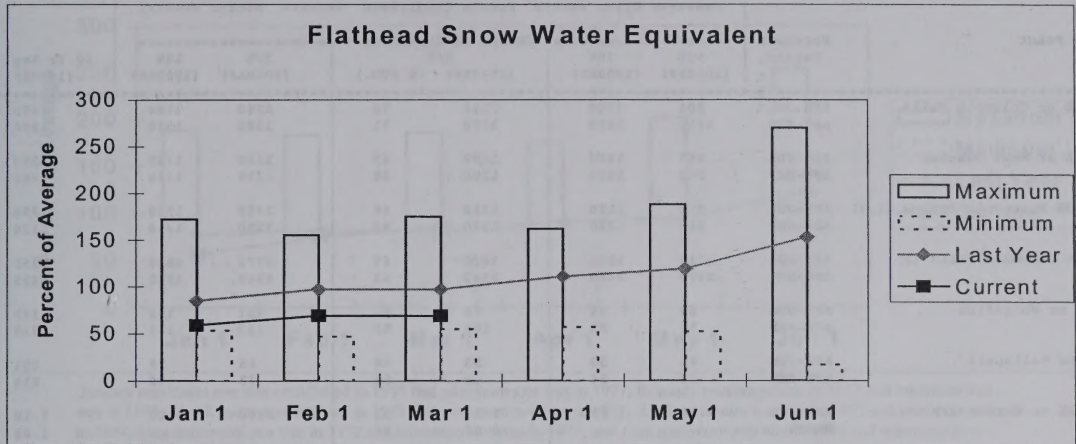
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
LAKE KOOCANUSA	5748.0	3557.0	2648.0	1950.0	KOOTENAY in CANADA	23	63	64
					KOOTENAI MAINTSTEM	3	61	72
					TOBACCO	3	65	71
					FISHER	4	64	62
					YAAK	7	67	68
					KOOTENAI in MONTANA	17	65	69
					KOOTENAI ab BONNERS FERRY	40	64	67

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

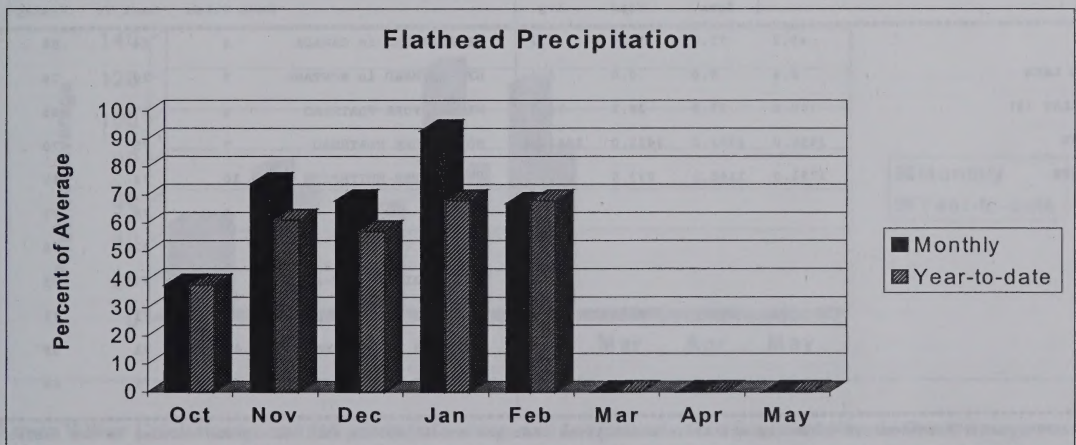
Flathead River Basin

Snowpack conditions in the Flathead River Basin were below average. Snow water content was 69 percent of average and 71 percent of last year. Snow water content in the North Fork Flathead River in Canada was 58 percent of average and 64 percent of last year.



January maximum swe was established in 1997 and minimum was in 2001; February maximum swe was in 1972 and minimum was in 2001; March maximum swe was in 1972 and minimum was in 2001; April maximum swe was in 1972 and minimum was in 2001; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during February was 68 percent of average and 56 percent of last year. Valley precipitation during February was 51 percent of average and 53 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2002, was 68 percent of average and 65 percent of last year.



Combined Camas reservoir storage was 77 percent of average and 149 percent of last year; Lower Jocko Lake was 0 percent of average and 100 percent of last year; combined Mission Valley reservoir storage was 77 percent of average and 97 percent of last year; Hungry Horse storage was 115 percent of average and 98 percent of last year; and Flathead Lake storage was 143 percent of average and 122 percent of last year.

Surface Water Supply Index (SWSI) was -3.3 in the North Fork Flathead River; -3.2 in the Middle Fork Flathead River; -2.3 in the South Fork Flathead River; -3.1 in the Flathead River at Columbia Falls; -3.5 in the Stillwater/Whitefish Rivers; -3.9 in the Swan River; -3.2 in the Flathead River at Polson; -2.4 in the Mission Valley; and -2.7 in the Little Bitterroot River.

FLATHEAD RIVER BASIN
Streamflow Forecasts - March 1, 2003

Forecast Point	Forecast Period	<<----- Drier ----- Future Conditions ----- Wetter ----->>						30-Yr Avg. (1000AF)
		Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
NF FLATHEAD nr Columbia Falls	APR-JUL	900	1040	1140	70	1240	1380	1630
	APR-SEP	1010	1160	1270	71	1380	1530	1800
MF FLATHEAD nr West Glacier	APR-JUL	865	1000	1090	69	1180	1320	1590
	APR-SEP	940	1090	1190	68	1290	1440	1740
HUNGRY HORSE Reservoir Inflow (1,2)	APR-JUL	875	1170	1310	66	1450	1750	1994
	APR-SEP	865	1230	1390	65	1550	1910	2124
FLATHEAD at Columbia Falls (2)	APR-JUL	2710	3250	3620	68	3990	4530	5355
	APR-SEP	2950	3540	3940	68	4340	4930	5825
STILLWATER nr Whitefish	APR-JUL	69	85	96	50	121	158	192
	APR-SEP	76	93	105	50	132	172	210
WHITEFISH nr Kalispell	APR-JUL	42	50	55	55	65	79	101
	APR-SEP	47	56	62	54	73	90	114
ASHLEY CREEK nr Marion (2)	APR-JUL	1.28	1.83	2.20	31	3.40	5.20	7.19
	MARCH			0.50	49			1.02
SWAN RIVER nr Bigfork	APR-JUL	225	290	330	58	370	435	565
	APR-SEP	307	347	375	58	425	495	645
FLATHEAD Lake Inflow (1,2)	APR-JUL	3000	3770	4120	67	4470	5240	6200
	APR-SEP	2880	3970	4470	67	4970	6060	6713

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
CAMAS (4)	45.2	17.0	11.4	22.1
LOWER JOCKO LAKE	6.4	0.0	0.0	0.1
MISSION VALLEY (8)	100.0	27.9	28.7	36.3
HUNGRY HORSE	3451.0	2362.0	2421.0	2047.6
FLATHEAD LAKE	1791.0	1145.0	937.5	802.7

FLATHEAD RIVER BASIN
Watershed Snowpack Analysis - March 1, 2003

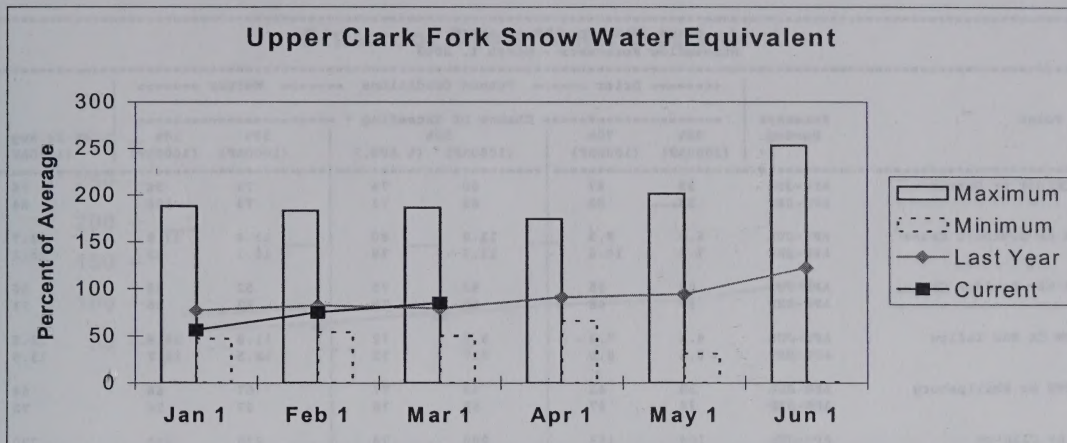
Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
NF FLATHEAD in CANADA	4	64	58
NF FLATHEAD in MONTANA	9	70	74
MIDDLE FORK FLATHEAD	6	67	65
SOUTH FORK FLATHEAD	7	75	70
STILLWATER-WHITEFISH	10	73	69
SWAN	8	75	72
MISSION VALLEY	5	82	70
LITTLE BITTERROOT-ASHLEY	6	67	55
JOCKO	5	71	71
FLATHEAD in MONTANA	41	71	69
FLATHEAD RIVER BASIN	45	71	68

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 (2) - The value is natural volume - actual volume may be affected by upstream water management.

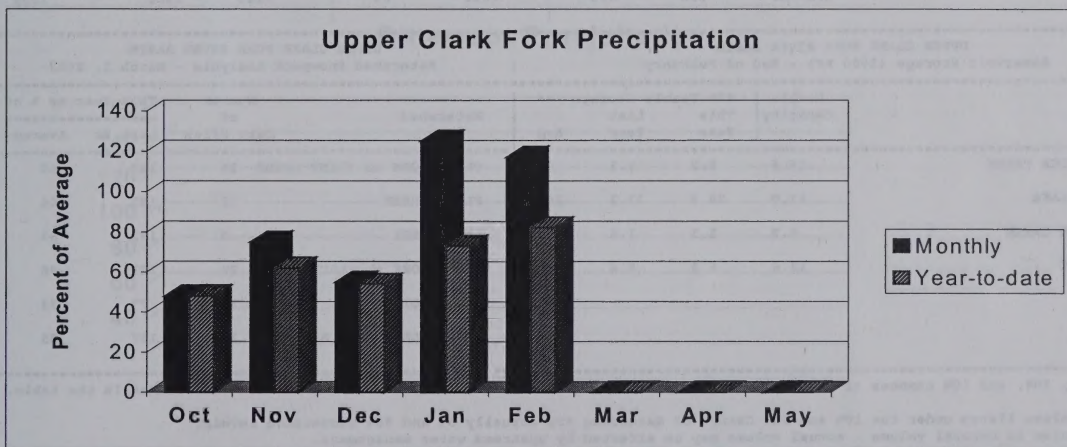
Upper Clark Fork River Basin

Snowpack conditions in the Upper Clark Fork River Basin were below average. Snow water content was 85 percent of average and 107 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum was in 1994; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during February was 113 percent of average and 128 percent of last year. Valley precipitation during February was 174 percent of average and 213 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2002, was 82 percent of average and 92 percent of last year.



Lower Willow Creek storage was 115 percent of average and 144 percent of last year; and Nevada Creek storage was 131 percent of average and 121 percent of last year.

Surface Water Supply Index (SWSI) was -2.8 in the Clark Fork River above Milltown; -3.3 in the Blackfoot River; and -3.1 in the Clark Fork River above Missoula.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - March 1, 2003

Forecast Point	Forecast Period	<<----- Drier -----		Future Conditions		----- Wetter ----->>		30-Yr Avg. (1000AF)
		90%	70%	50%		30%	10%	
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	
LITTLE BLACKFOOT nr Garrison	APR-JUL	35	47	56	74	73	98	76
	APR-SEP	38	52	61	73	79	106	84
FLINT CREEK nr Southern Cross	APR-JUL	6.8	9.3	11.0	80	13.8	17.8	13.7
	APR-SEP	7.5	10.6	12.7	78	16.1	22	16.2
FLINT CREEK blw Boulder Ck	APR-JUL	27	36	42	75	52	68	56
	APR-SEP	37	48	55	78	67	86	71
LOWER WILLOW CK RES Inflow	APR-JUL	4.9	7.3	9.0	72	11.8	15.8	12.5
	APR-SEP	5.5	8.0	9.7	72	12.5	16.7	13.5
MF ROCK CREEK nr Philipsburg	APR-JUL	30	41	49	77	57	68	64
	APR-SEP	34	47	55	76	63	76	72
ROCK CREEK nr Clinton	APR-JUL	109	163	200	74	235	290	270
	APR-SEP	125	185	225	74	265	325	305
CLARK FORK abv Milltown	APR-JUL	301	387	445	74	555	715	605
	APR-SEP	360	452	515	73	635	815	705
NEVADA CREEK nr Finn	APR-JUL	5.7	8.5	10.4	60	14.3	20	17.3
	APR-SEP	6.7	9.7	11.7	62	15.8	22	18.9
BLACKFOOT RIVER nr Bonner	APR-JUL	215	355	450	56	545	685	805
	APR-SEP	250	400	500	56	600	750	892
CLARK FORK abv Missoula	APR-JUL	520	745	895	63	1045	1265	1415
	APR-SEP	615	860	1020	64	1180	1430	1595

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of February

UPPER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - March 1, 2003

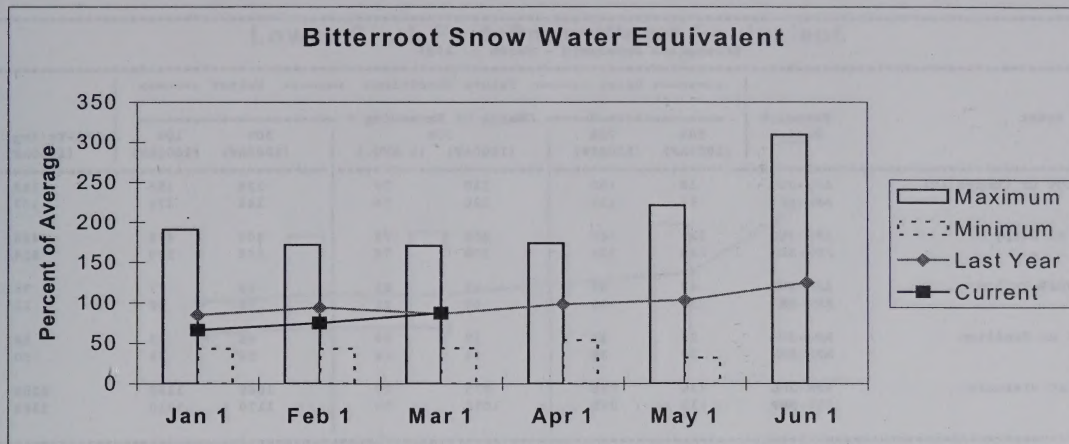
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
EAST FORK ROCK CREEK	15.6	5.9	5.3	9.4	CLARK FORK ab FLINT CREEK	14	140	95
GEORGETOWN LAKE	31.0	29.8	27.3	26.6	FLINT CREEK	6	193	104
LOWER WILLOW CREEK	4.9	2.3	1.6	2.0	ROCK CREEK	5	132	93
NEVADA CREEK	12.6	6.8	5.6	5.2	CLARK FORK ab BLACKFOOT	22	143	96
					BLACKFOOT	16	77	72
					UPPER CLARK FORK BASIN	36	107	85

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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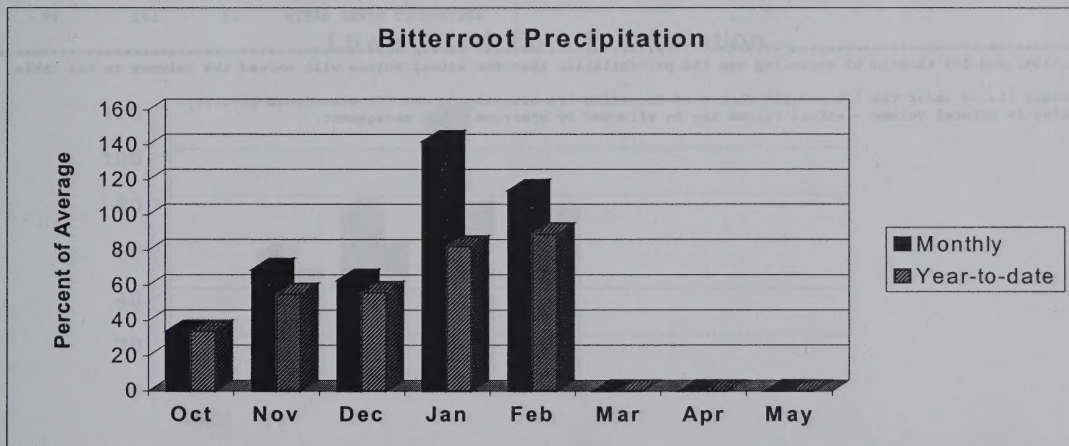
Bitterroot River Basin

Snowpack conditions in the Bitterroot River Basin were below average. Snow water content was 87 percent of average and 101 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 2001; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain precipitation during February was 109 percent of average and 147 percent of last year. Valley precipitation during February was 160 percent of average and 250 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2002, was 89 percent of average and 93 percent of last year.



Painted Rocks Lake storage was 80 percent of average and 85 percent of last year and Como storage was 67 percent of average and 81 percent of last year.

Surface Water Supply Index (SWSI) was -2.3 in the Bitterroot River.

BITTERROOT RIVER BASIN
Streamflow Forecasts - March 1, 2003

		<<----- Drier ----- Future Conditions ----- Wetter ----->>							
Forecast Point	Forecast Period	-----		Chance Of Exceeding *		-----		30-Yr Avg. (1000AF)	
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)		
=====									
WF BITTERROOT nr Conner (2)	APR-JUL	88	101	110	77	128	155	143	
	APR-SEP	94	110	120	76	141	171	157	
BITTERROOT nr Darby	APR-JUL	223	300	350	76	400	475	460	
	APR-SEP	260	335	390	76	445	520	514	
COMO RESERVOIR Inflow	APR-JUL	49	57	63	81	69	77	78	
	APR-SEP	52	60	66	81	72	80	82	
SKALKAHO CK nr Hamilton	APR-JUL	25	33	39	89	45	53	44	
	APR-SEP	29	38	44	88	50	59	50	
BITTERROOT at Missoula	APR-JUL	755	885	975	78	1060	1190	1250	
	APR-SEP	835	975	1070	78	1170	1310	1364	

BITTERROOT RIVER BASIN
Reservoir Storage (1000 AF) - End of February

BITTERROOT RIVER BASIN
Watershed Snowpack Analysis - March 1, 2003

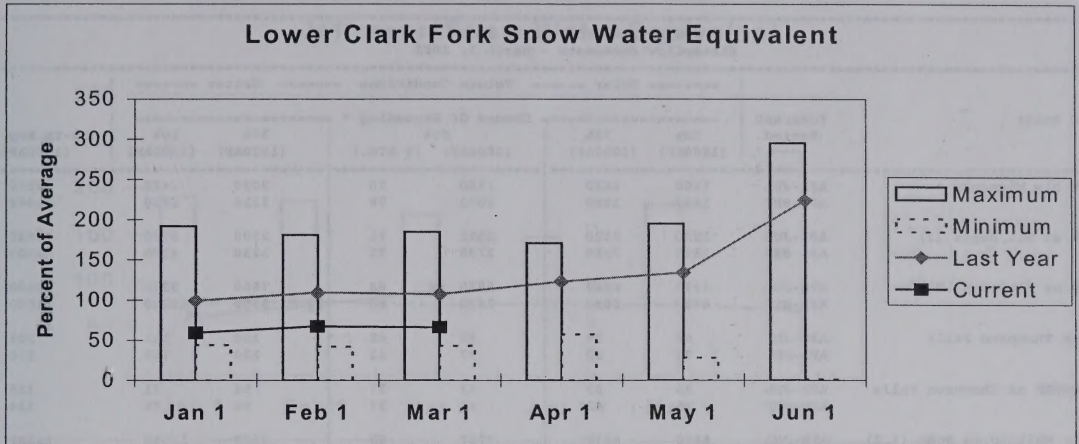
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
PAINTED ROCKS LAKE	31.7	5.6	6.6	7.0	WEST FORK BITTERROOT	3	112	87
COMO	align="center">34.9	align="center">8.8	align="center">10.8	align="center">13.1	EAST SIDE BITTERROOT	5	119	95
					WEST SIDE BITTERROOT	3	85	83
					BITTERROOT RIVER BASIN	10	101	87

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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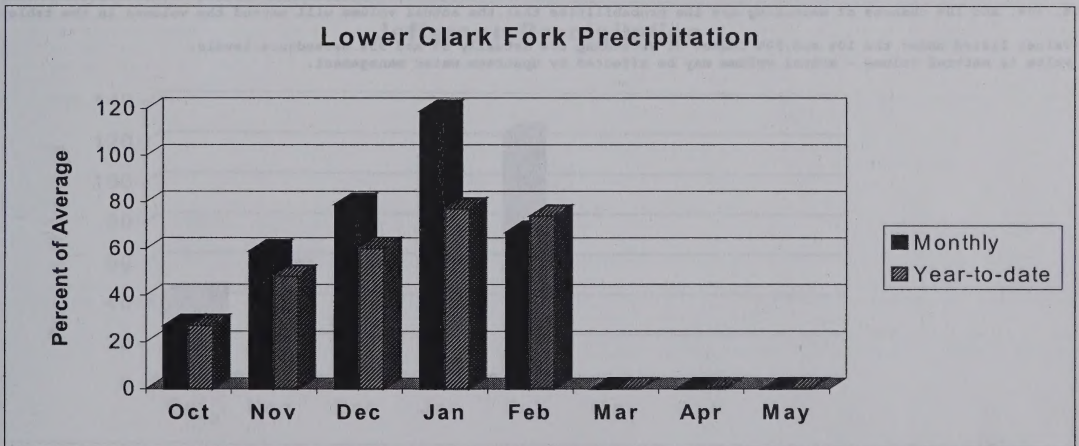
Lower Clark Fork River Basin

Snowpack conditions in the Lower Clark Fork River Basin were well below average. Snow water content was 66 percent of average and 61 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1972 and minimum swe was in 1981; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1971 through 2000.

Mountain precipitation during February was 66 percent of average and 70 percent of last year. Valley precipitation during February was 70 percent of average and 67 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2002, was 74 percent of average and 65 percent of last year.



Noxon Rapids storage was 103 percent of average and 96 percent of last year.

Surface Water Supply Index (SWSI) was -2.9 in the Clark Fork River below Bitterroot River and -3.1 in the Clark Fork River below Flathead River.

LOWER CLARK FORK RIVER BASIN
Streamflow Forecasts - March 1, 2003

		<----- Drier ----- Future Conditions ----- Wetter ----->						
Forecast Point	Forecast Period	Chance Of Exceeding *						30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)		30% (1000AF) 10% (1000AF)		
CLARK FORK blw Missoula	APR-JUL	1300	1630	1860	70	2090	2420	2660
	APR-SEP	1460	1820	2070	70	2320	2680	2962
CLARK FORK at St. Regis (1)	APR-JUL	1250	2120	2510	71	2900	3770	3520
	APR-SEP	1390	2350	2790	71	3230	4190	3907
CLARK FORK nr Plains (1,2)	APR-JUL	4330	6040	6820	68	7600	9310	10100
	APR-SEP	4750	6630	7490	68	8350	10230	11060
THOMPSON nr Thompson Falls	APR-JUL	68	79	86	42	108	141	205
	APR-SEP	79	90	97	42	120	155	230
PROSPECT CREEK at Thompson Falls	APR-JUL	33	39	43	37	54	71	116
	APR-SEP	35	42	46	37	58	75	124
CLARK FK at Whitehorse Rpds (1,2)	APR-JUL	4870	6840	7730	69	8620	10590	11280
	APR-SEP	5350	7520	8500	68	9480	11650	12460

LOWER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
NOXON RAPIDS	335.0	307.0	319.9	297.5

LOWER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - March 1, 2003

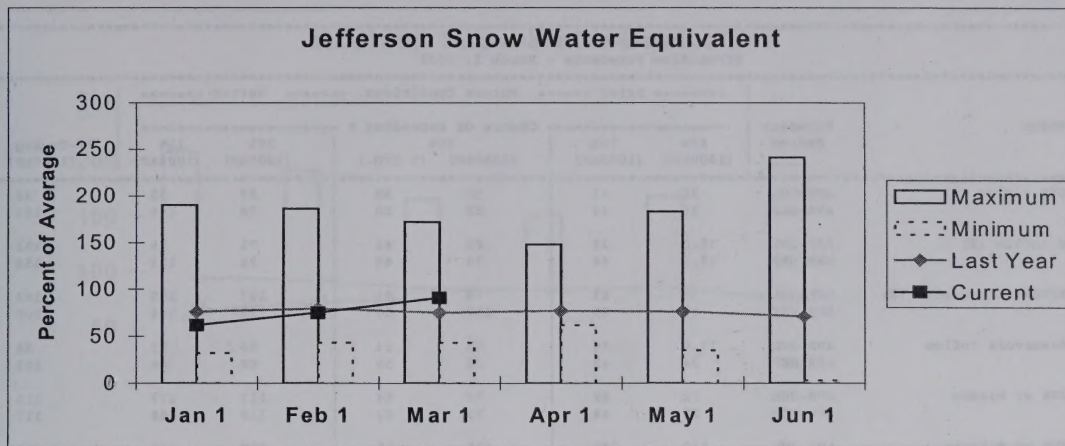
Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
LOWER CLARK FORK BASIN	12	61	66

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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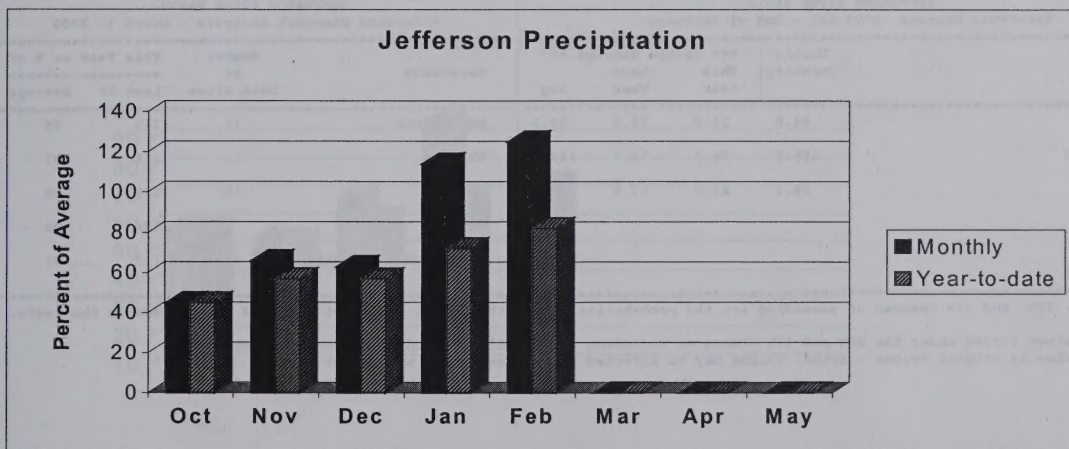
Jefferson River Basin

Snowpack conditions in the Jefferson River Basin were near average. Snow water content was 93 percent of average and 125 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during February was 121 percent of average and 189 percent of last year. Valley precipitation during February was 188 percent of average and 292 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2002, was 82 percent of average and 100 percent of last year.



Lima storage was 40 percent of average and 96 percent of last year; Clark Canyon storage was 39 percent of average and 75 percent of last year; and Ruby River storage was 94 percent of average and 113 percent of last year.

Surface Water Supply Index (SWSI) was -4.0 in the Beaverhead River; -3.7 in the Ruby River; -1.8 in the Big Hole River; -1.8 in the Boulder River; and -1.9 in the Jefferson River as a whole.

JEFFERSON RIVER BASIN
Streamflow Forecasts - March 1, 2003

Forecast Point	Forecast Period	<<----- Drier -----		Future Conditions		----- Wetter ----->>		30-Yr Avg. (1000AF)
		90%	70%	50%	50%	30%	10%	
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	
LIMA RESERVOIR Inflow (2)	APR-JUL	28	41	50	52	67	93	96
	APR-SEP	29	44	55	53	75	104	104
CLARK CANYON Inflow (2)	APR-JUL	15.0	39	55	42	71	95	131
	APR-SEP	17.0	48	70	45	92	123	156
BEAVERHEAD RIVER at Barretts (2)	APR-JUL	39	61	75	45	107	155	168
	APR-SEP	52	81	100	50	139	194	200
RUBY RIVER Reservoir Inflow	APR-JUL	17.0	34	45	54	56	73	84
	APR-SEP	24	42	55	55	68	86	101
BIG HOLE RIVER at Wisdom	APR-JUL	22	42	70	64	113	177	110
	APR-SEP	22	44	73	62	119	188	117
BIG HOLE RIVER nr Melrose	APR-JUL	210	345	435	71	525	660	610
	APR-SEP	230	375	475	72	575	720	660
BOULDER RIVER nr Boulder	APR-JUL	7.0	33	50	64	67	93	78
	APR-SEP	8.0	36	55	65	74	102	85
WILLOW CREEK Reservoir Inflow	APR-JUL	3.5	7.5	10.3	58	15.1	22	17.9
	APR-SEP	3.5	8.5	11.9	60	17.5	26	20
JEFFERSON RIVER nr Three Forks (2)	APR-JUL	89	285	420	54	555	750	780
	APR-SEP	111	320	460	54	600	810	860

JEFFERSON RIVER BASIN
Reservoir Storage (1000 AF) - End of February

JEFFERSON RIVER BASIN
Watershed Snowpack Analysis - March 1, 2003

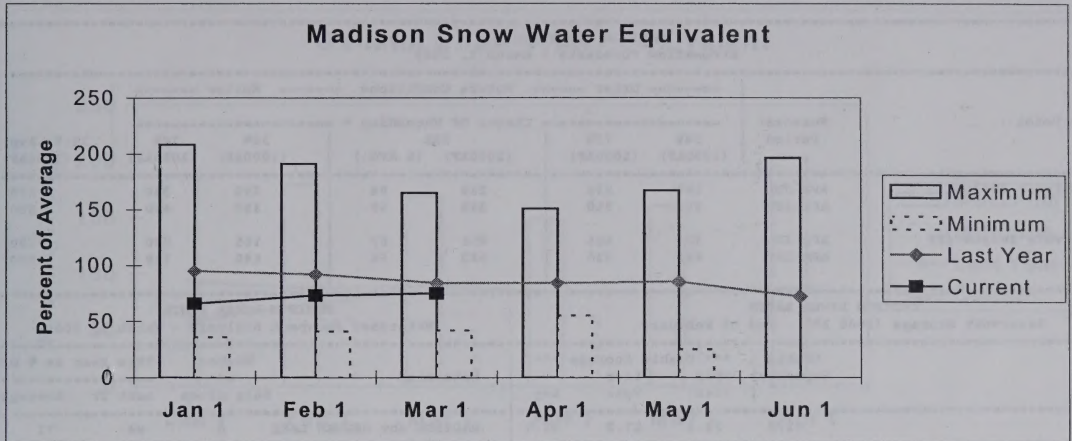
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
LIMA	84.0	14.2	14.8	35.7	BEAVERHEAD	16	113	89
CLARK CANYON	255.6	56.3	74.7	144.2	RUBY	11	114	87
RUBY RIVER	align="right">38.8	align="right">25.7	align="right">22.8	align="right">27.4	BIGHOLE	15	126	95
					BOULDER	9	166	98
					JEFFERSON RIVER BASIN	43	122	91

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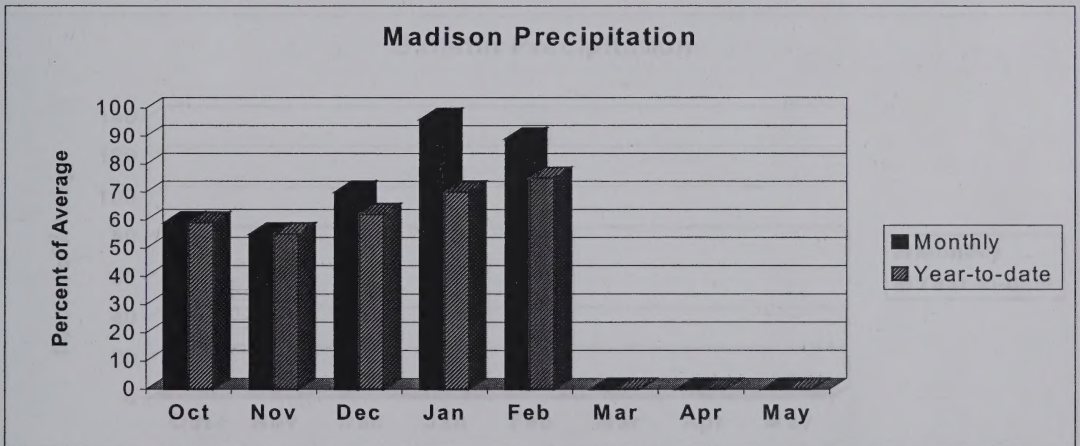
Madison River Basin

Snowpack conditions in the Madison River Basin were below average. Snow water content was 75 percent of average and 90 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during February was 89 percent of average and 122 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2002, was 75 percent of average and 81 percent of last year.



Ennis Lake storage was 90 percent of average and 101 percent of last year and Hebgen Lake storage was 108 percent of average and 101 percent of last year.

Surface Water Supply Index (SWSI) was -1.9 for the Madison River.

**MADISON RIVER BASIN
Streamflow Forecasts - March 1, 2003**

Forecast Point	Forecast Period	<----- Drier -----		Future Conditions		----- Wetter ----->		30-Yr Avg. (1000AF)
		90%	70%	50%		30%	10%	
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	
HEBGEN Reservoir Inflow	APR-JUL	190	235	265	68	295	340	390
	APR-SEP	260	310	345	69	380	430	500
ENNIS Reservoir Inflow (2)	APR-JUL	330	405	455	67	505	580	680
	APR-SEP	430	520	580	68	640	730	850

**MADISON RIVER BASIN
Reservoir Storage (1000 AF) - End of February**

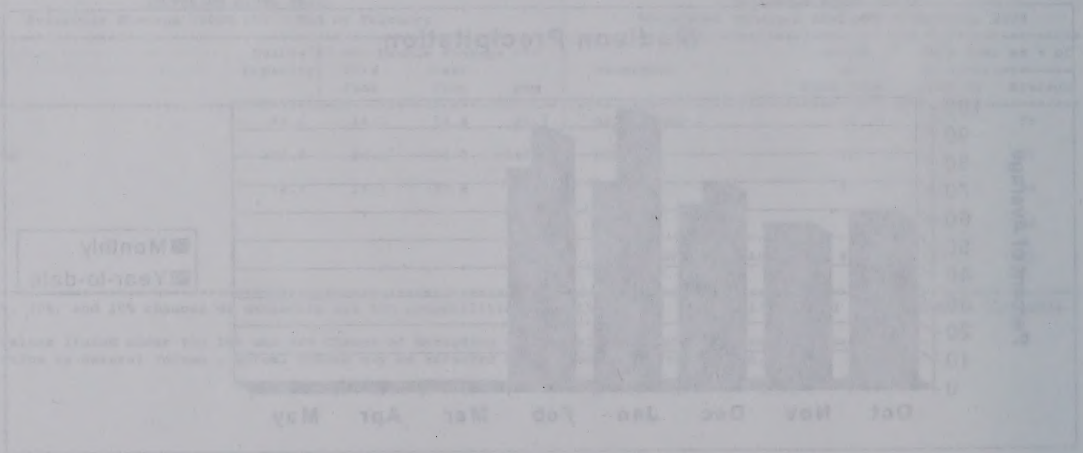
Reservoir	Usable Capacity	*** Usable Storage ***			Avg
		This Year	Last Year		
ENNIS LAKE	41.0	28.2	27.8	31.4	
HEBGEN LAKE	377.5	286.3	283.0	265.2	

**MADISON RIVER BASIN
Watershed Snowpack Analysis - March 1, 2003**

Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
MADISON abv HEBGEN LAKE	6	84	71
MADISON blw HEBGEN LAKE	12	93	77
MADISON RIVER BASIN	18	90	75

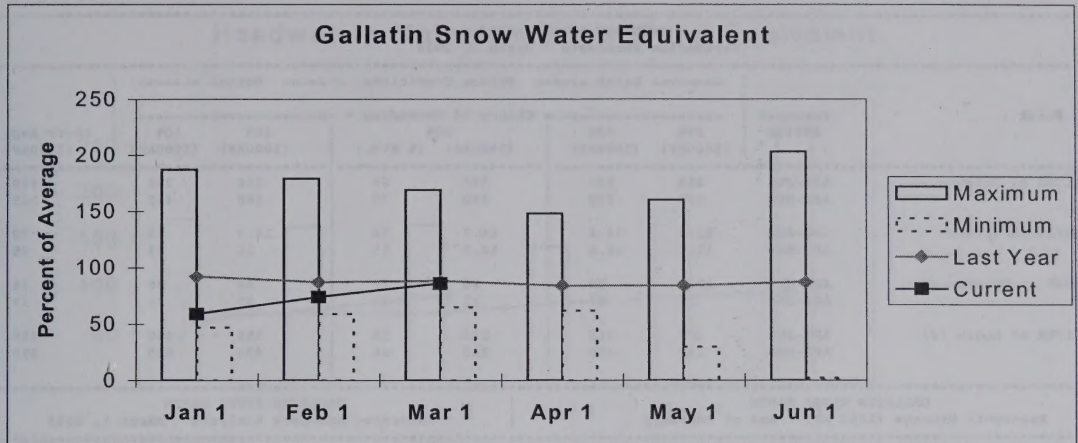
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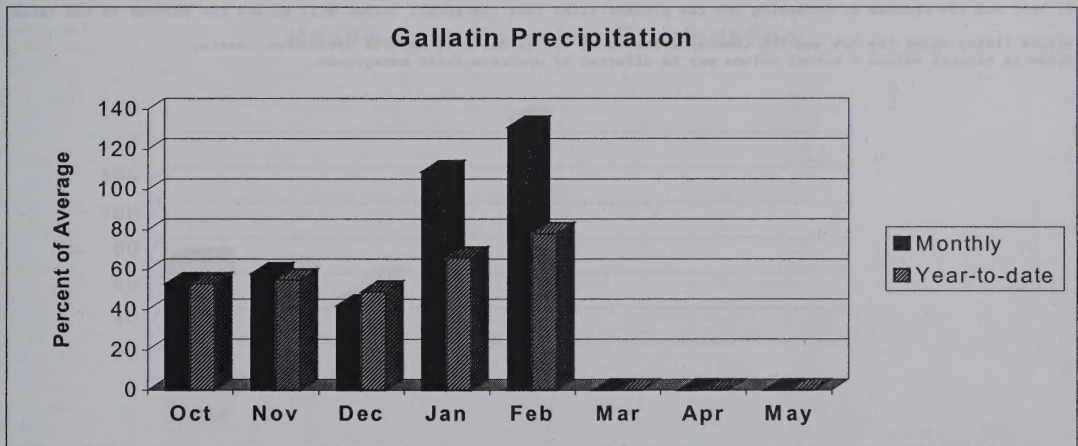
Gallatin River Basin

Snowpack conditions in the Gallatin River Basin were below average. Snow water content was 86 percent of average and 97 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977 and 1987; April maximum swe was in 1997 and minimum was in 2001; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during February was 131 percent of average and 130 percent of last year. Valley precipitation during February was 117 percent of average and 203 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2002, was 78 percent of average and 74 percent of last year.



Middle Creek storage was 129 percent of average and 92 percent of last year.

Surface Water Supply Index (SWSI) was -2.1 for the Gallatin River.

GALLATIN RIVER BASIN
Streamflow Forecasts - March 1, 2003

Forecast Point	Forecast Period	<----- Drier ----- Future Conditions ----- Wetter ----->				30-Yr Avg. (1000AF)		
		Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)		30% (1000AF)	10% (1000AF)
GALLATIN RIVER nr Gateway	APR-JUL	215	270	305	69	340	395	440
	APR-SEP	255	320	360	70	400	465	515
HYALITE RESERVOIR Inflow	APR-JUL	11.6	14.6	16.7	76	18.9	22	22
	APR-SEP	13.4	16.6	18.8	75	21	24	25
HYALITE CREEK nr Bozeman (2)	APR-JUL	17.0	22	26	77	30	35	34
	APR-SEP	21	27	31	80	35	41	39
GALLATIN RIVER at Logan (2)	APR-JUL	109	215	285	58	355	460	495
	APR-SEP	147	260	340	60	420	535	570

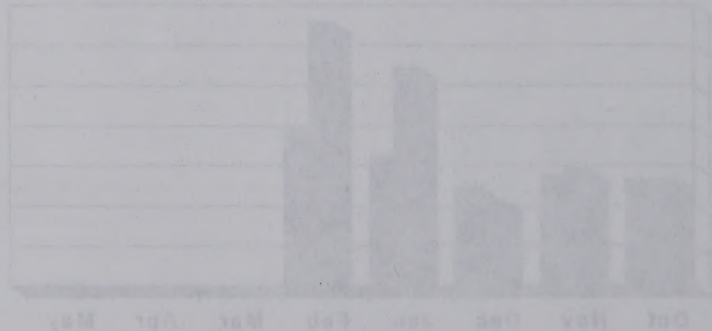
GALLATIN RIVER BASIN
Reservoir Storage (1000 AF) - End of February

GALLATIN RIVER BASIN
Watershed Snowpack Analysis - March 1, 2003

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
MIDDLE CREEK	10.2	5.8	6.3	4.5	UPPER GALLATIN	7	83	76
					HYALITE	4	121	96
					BRIDGER	3	109	102
					GALLATIN RIVER BASIN	14	97	86

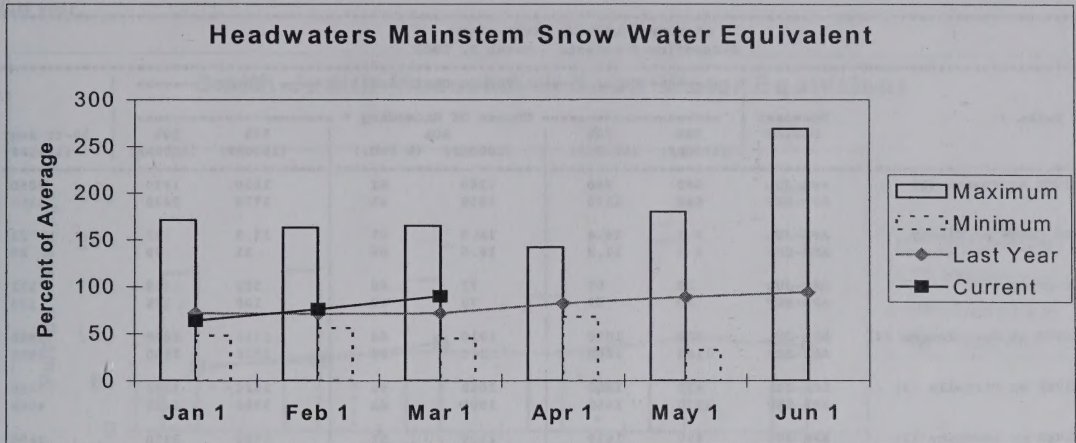
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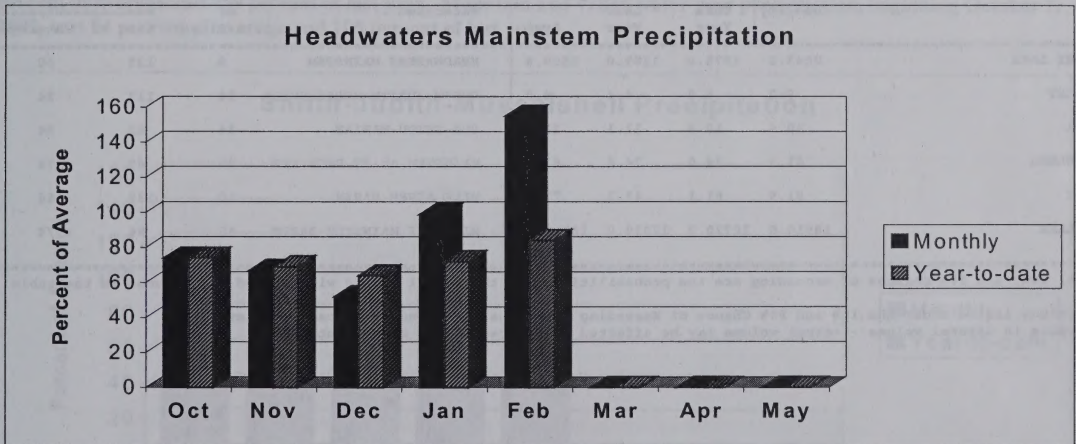
Missouri Mainstem River Basin

Snowpack conditions in the Headwaters Missouri Mainstem River Basin were below average. Snow water content was 90 percent of average and 125 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1961 and 1966; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during February was 154 percent of average and 209 percent of last year. Valley precipitation during February was 157 percent of average and 173 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2002, was 84 percent of average and 117 percent of last year.



Canyon Ferry Lake storage was 104 percent of average and 113 percent of last year; Helena Valley storage was 125 percent of average and 114 percent of last year; Lake Helena storage was 81 percent of average and 98 percent of last year; Hauser & Helena storage was 117 percent of average and 99 percent of last year; Holter Lake storage was 105 percent of average and 100 percent of last year; and Fort Peck Lake storage was 73 percent of average and 89 percent of last year.

Surface Water Supply Index (SWSI) was -2.3 in the Missouri River above Canyon Ferry; -1.7 in the Missouri River below Canyon Ferry; -0.8 in the Missouri River above Fort Peck; and -3.0 in the Missouri River below Fort Peck.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - March 1, 2003

Forecast Point	Forecast Period	<<----- Drier ----- Future Conditions ----- Wetter ----->>						30-Yr Avg. (1000AF)
		Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
MISSOURI RIVER at Toston (2)	APR-JUL	590	990	1260	62	1530	1930	2050
	APR-SEP	665	1130	1450	61	1770	2230	2390
PRICKLY PEAR CREEK nr Clancy	APR-JUL	5.1	10.4	14.0	67	17.3	23	21
	APR-SEP	6.0	12.2	16.5	66	21	28	25
DEARBORN nr Criag	APR-JUL	28	55	73	60	103	148	121
	APR-SEP	30	59	78	62	109	155	125
MISSOURI RIVER at Fort Benton (2)	APR-JUL	930	1510	1910	64	2310	2890	2990
	APR-SEP	1180	1860	2340	66	2820	3500	3570
MISSOURI RIVER at Virgelle (2)	APR-JUL	930	1600	2060	60	2520	3190	3450
	APR-SEP	1170	1962	2500	62	3036	3831	4060
MISSOURI RIVER nr Landusky (2)	APR-JUL	890	1610	2100	57	2590	3310	3690
	APR-SEP	1145	1994	2570	59	3146	3991	4350
MISSOURI RIVER below Fort Peck (2)	APR-JUL	986	1715	2210	59	2705	3434	3740
	APR-SEP	1122	1966	2540	59	3116	3961	4330
LAKE SAKAKAWEA Inflow (2)	APR-JUL	2030	3929	5220	54	6514	8414	9740
	APR-SEP	2432	4616	6100	55	7581	9771	11200

MISSOURI MAINSTEM RIVER BASIN
Reservoir Storage (1000 AF) - End of February

MISSOURI MAINSTEM RIVER BASIN
Watershed Snowpack Analysis - March 1, 2003

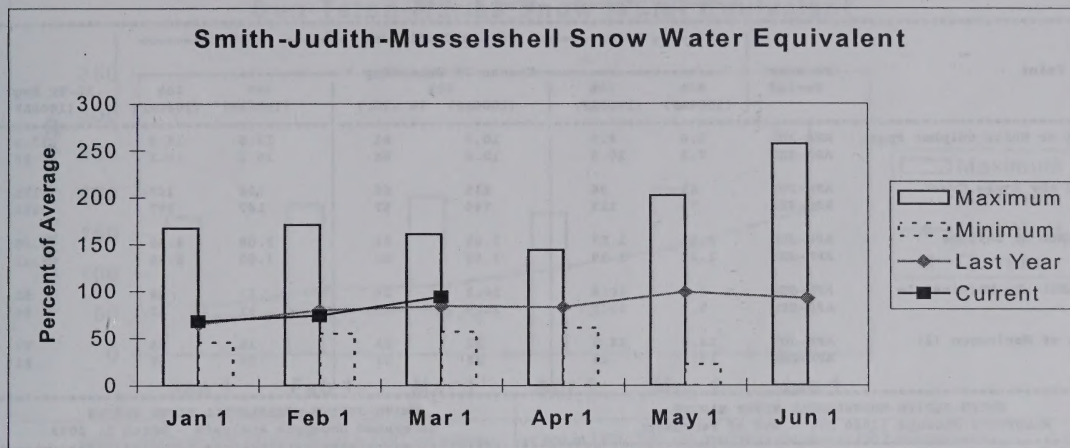
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Last Yr Average	
		This Year	Last Year	Avg				
CANYON FERRY LAKE	2043.0	1575.0	1389.0	1509.4	HEADWATERS MAINSTEM	9	125	90
HELENA VALLEY	9.2	5.0	4.4	4.0	SMITH-JUDITH-MUSSELSHELL	14	112	94
LAKE HELENA	10.4	10.9	11.1	13.4	SUN-TETON-MARIAS	14	62	54
HAUSER & HELENA	61.9	74.0	74.8	63.0	MAINSTEM ab FT PECK RES	36	89	74
HOLTER LAKE	81.9	81.1	81.3	77.6	MILK RIVER BASIN	10	139	66
FORT PECK LAKE	18910.0	10720.0	12030.0	14728.0	MISSOURI MAINSTEM BASIN	45	94	74

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
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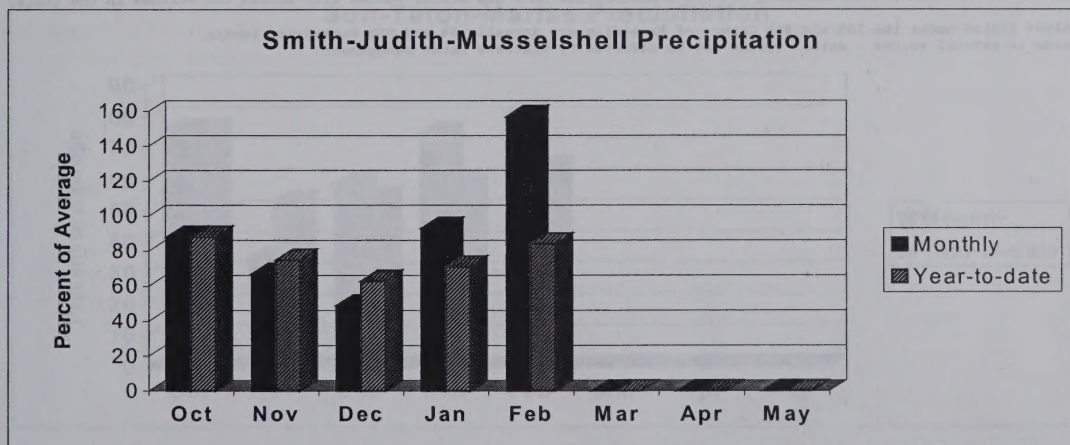
Smith-Judith-Musselshell River Basins

Snowpack conditions in the Smith-Judith-Musselshell River Basins were near average. Snow water content in the Smith River Basin was 89 percent of average and 107 percent of last year; in the Judith River Basin was 97 percent of average and 114 percent of last year; and in the Musselshell Basin River was 87 percent of average and 114 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1967 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during February in the Smith-Belts was 144 percent of average and 140 percent of last year; in the Judith was 179 percent of average and 153 percent of last year; and in the Musselshell was 154 percent of average and 139 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2002, was 84 percent of average and 105 percent of last year.



Smith River storage was 70 percent of average and 271 percent of last year; Bair storage was 45 percent of average and 100 percent of last year; Martinsdale storage was 10 percent of average and 0 percent of last year; and Deadman's Basin was 37 percent of average and 125 percent of last year.

Surface Water Supply Index (SWSI) was -1.9 in the Smith River and -2.9 in the Musselshell River.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - March 1, 2003

		<<----- Drier ----- Future Conditions ----- Wetter ----->>						
Forecast Point	Forecast Period	-----		Chance Of Exceeding *		-----		30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
SHEEP CREEK nr White Sulphur Spgs.	APR-JUL	5.6	8.5	10.5	61	12.5	15.4	17.1
	APR-SEP	7.2	10.5	12.8	64	15.1	18.7	20
SMITH RIVER abv Eagle Creek	APR-JUL	63	94	115	66	136	167	175
	APR-SEP	74	113	140	67	167	207	210
NF MUSSELSHELL nr Delpine	APR-JUL	0.93	1.57	2.00	44	3.00	4.50	4.60
	APR-SEP	1.23	1.99	2.50	46	3.60	5.30	5.40
SF MUSSELSHELL abv Martinsdale	APR-JUL	4.7	10.4	14.3	28	28	48	52
	APR-SEP	5.9	12.2	16.5	30	32	53	56
MUSSELSHELL at Harlowton (2)	APR-JUL	12.8	18.3	22	29	35	53	77
	APR-SEP	15.1	21	25	31	38	57	81

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
SMITH RIVER	10.6	4.6	1.7	6.6
BAIR	7.0	1.8	1.8	4.0
MARTINSDALE	23.1	1.0	0.0	10.2
DEADMAN'S BASIN	72.2	18.2	14.6	49.8

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Watershed Snowpack Analysis - March 1, 2003

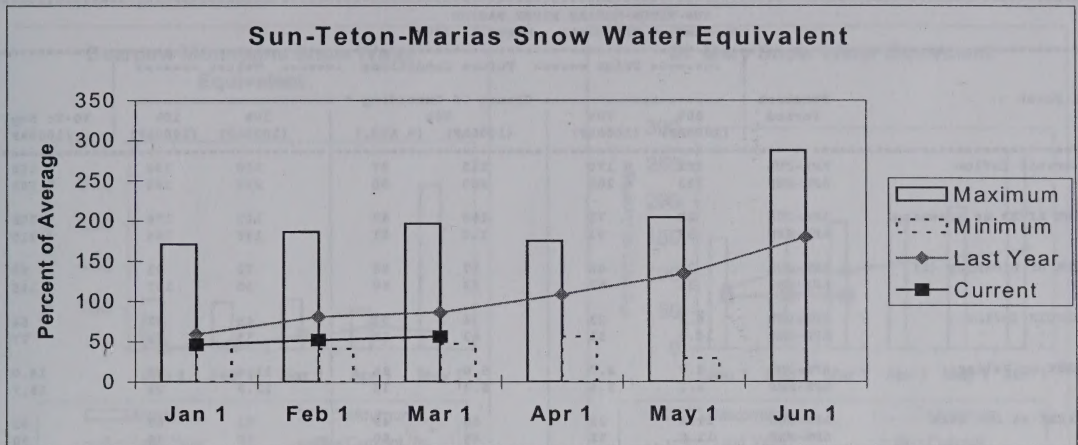
Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
SMITH	8	107	89
JUDITH	6	114	97
MUSSELSHELL	5	114	87
SMITH-JUDITH-MUSSELSHELL	14	112	94

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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 (2) - The value is natural volume - actual volume may be affected by upstream water management.

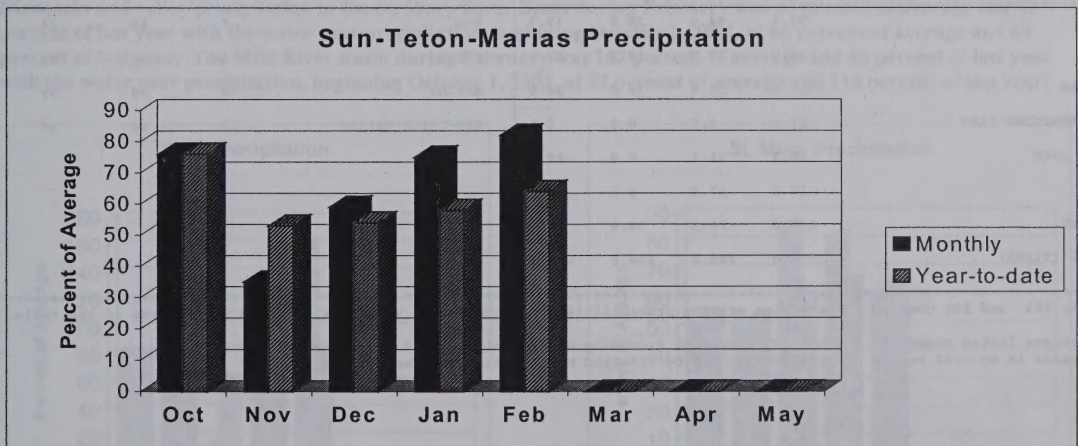
Sun-Teton-Marias River Basins

Snowpack conditions in the Sun-Teton-Marias River Basins were well below average. Snow water content in the Sun River Basin was 54 percent of average and 64 percent of last year; in the Teton River Basin was 54 percent of average and 71 percent of last year; and in the Marias River Basin was 52 percent of average and 59 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 1984; April maximum swe was in 1972 and minimum swe was in 1984; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1972 and minimum swe was in 1987, 1992, and 1998. Average is for the period 1971 through 2000.

Mountain and valley precipitation during February in the Sun was 99 percent of average and 74 percent of last year; in the Teton was 87 percent of average and 61 percent of last year; and in the Marias was 76 percent of average and 59 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2002, was 64 percent of average and 74 percent of last year.



Gibson storage was 89 percent of average and 152 percent of last year; Pishkun storage was 111 percent of average and 99 percent of last year; Willow Creek storage was 133 percent of average and 218 percent of last year; Lower Two Medicine Lake storage was 51 percent of average and 0 percent of last year; Four Horns Lake storage was 93 percent of average and 0 percent of last year; Swift storage was 107 percent of average and 284 percent of last year; Lake Frances storage was 135 percent of average and 371 percent of last year; and Lake Elwell (Tiber) storage was 119 percent of average and 114 percent of last year.

Surface Water Supply Index (SWSI) was -3.9 in the Sun River; -2.6 in the Teton River; -2.4 in the Birch/Dupuyer Creeks; and -2.2 in the Marias River.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - March 1, 2003

Forecast Point	Forecast Period	<<----- Drier ----- Future Conditions ----- Wetter ----->>						30-Yr Avg. (1000AF)
		-----		Chance Of Exceeding *		-----		
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
GIBSON Reservoir Inflow	APR-JUL	102	170	215	47	260	330	460
	APR-SEP	133	205	250	50	295	365	505
TWO MEDICINE RIVER nr Browning	APR-JUL	28	71	100	49	129	174	205
	APR-SEP	37	81	110	51	139	184	215
BADGER CREEK nr Browning (2)	APR-JUL	21	42	57	58	72	93	99
	APR-SEP	31	53	69	60	85	107	115
SWIFT RESERVOIR Inflow	APR-JUL	6.2	23	34	53	45	62	64
	APR-SEP	14.0	31	43	56	55	72	77
DUPUYER CREEK nr Valier	APR-JUL	0.7	2.7	5.0	36	11.4	21	14.0
	APR-SEP	1.1	3.4	6.0	38	12.9	23	15.7
CUT BANK CREEK at Cut Bank	APR-JUL	11.8	29	40	49	51	68	81
	APR-SEP	13.5	32	45	50	58	76	90
MARIAS RIVER nr Shelby (2)	APR-JUL	77	168	230	55	292	384	415
	APR-SEP	82	173	235	53	296	386	440
TETON nr Dutton	APR-JUL	4.3	11.0	15.5	30	31	53	51
	APR-SEP	6.1	13.2	18.0	31	34	56	59

SUN-TETON-MARIAS RIVER BASINS
Reservoir Storage (1000 AF) - End of February

SUN-TETON-MARIAS RIVER BASINS
Watershed Snowpack Analysis - March 1, 2003

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
GIBSON	99.1	44.0	29.0	49.7	SUN	7	64	54
PISHKUN	32.0	19.5	19.6	17.6	TETON	4	71	54
WILLOW CREEK	32.2	30.5	14.0	23.0	MARIAS	6	59	52
LOWER TWO MEDICINE LAKE	11.9	4.5	0.0	8.9	SUN-TETON-MARIAS	15	65	56
FOUR HORNS LAKE	19.2	11.1	0.0	12.0				
SWIFT	30.0	17.6	6.2	16.5				
LAKE FRANCES	112.0	90.5	24.4	66.8				
LAKE ELWELL (TIBER)	1347.0	749.2	654.8	631.9				

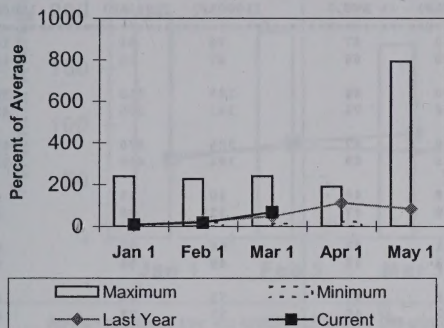
* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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St. Mary and Milk River Basins

Snowpack conditions in the St. Mary and Milk River Basins were below average. Snow water content in the Saint Mary River Basin was 71 percent of average and 68 percent of last year. The Bearpaw Mountains were 67 percent of average and 122 percent of last year. The Cypress Hills in Canada were 66 percent of average and 155 percent of last year.

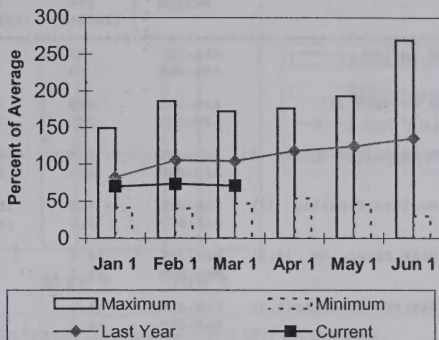
Bearpaw Mountains Snow Water Equivalent



Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum swe was in 1973; March maximum swe was 1978 and minimum swe was 1995; April maximum swe was in 1985 and minimum swe was in 1973, 1983, and 1986; May maximum swe was 1975 and the minimum, 0.0, has occurred in several years. Average is for the period 1971 through 2000.

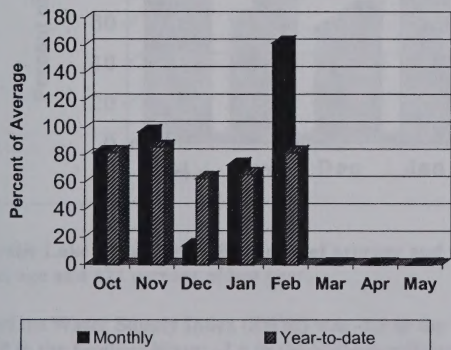
St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1967 and 1972 and minimum swe was in 2001; May maximum swe was in 19972 and minimum swe was in 1977; and June maximum swe was in 1972 and minimum swe was 1992. Average is for the period 1971 through 2000.

St. Mary Snow Water Equivalent

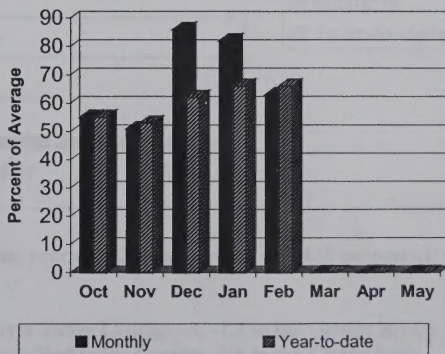


Mountain and valley precipitation in the St. Mary River Basin during February was 63 percent of average and 45 percent of last year with the water year precipitation, beginning October 1, 2002, at 66 percent of average and 63 percent of last year. The Milk River Basin during February was 162 percent of average and 80 percent of last year with the water year precipitation, beginning October 1, 2002, at 82 percent of average and 118 percent of last year.

Milk Precipitation



St. Mary Precipitation



Lake Sherburne storage was 49 percent of average and 66 percent of last year; Fresno storage was 93 percent of average and 891 percent of last year; Beaver Creek storage was 122 percent of average and 560 percent of last year; and Nelson storage was 116 percent of average and 325 percent of last year.

Surface Water Supply Index (SWSI) was -1.9 for the Milk River.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - March 1, 2003

		<<----- Drier ----- Future Conditions ----- Wetter ----->>						
Forecast Point	Forecast Period	90% (1000AF)		50% (1000AF) (% AVG.)		30% (1000AF) 10% (1000AF)		30-Yr Avg. (1000AF)
LAKE SHERBURNE Inflow	APR-JUL	56	64	70	67	76	84	105
	APR-SEP	64	73	80	66	87	96	122
ST. MARY RIVER nr Babb (2)	APR-JUL	205	235	260	68	285	315	385
	APR-SEP	255	295	320	71	345	385	450
ST. MARY RIVER at US/CAN Border (2)	APR-JUL	210	255	290	67	325	370	435
	APR-SEP	265	320	355	69	390	445	515
MILK RIVER @ Western Crossing (3)	MAR-JUL	7.0	15.5	18.8	46	30	33	41
	MAR-SEP	7.3	16.5	20	47	31	36	43
MILK RIVER @ Milk River, AB (2,3)	MAR-JUL	10.9	26	31	48	46	51	64
	MAR-SEP	11.1	27	33	48	49	56	69
MILK RIVER @ Eastern Crossing(2,3)	MAR-JUL	14.2	35	39	47	55	67	83
	MAR-SEP	14.0	37	42	48	57	73	88
BEAVER CREEK near Havre	MAR-JUL	1.81	3.00	3.80	40	5.80	8.80	9.60

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
LAKE SHERBURNE	64.3	12.8	19.5	26.3
FRESNO	127.0	48.1	5.4	52.0
BEAVER CREEK	3.5	2.8	0.5	2.3
NELSON	66.8	38.4	11.8	33.1

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - March 1, 2003

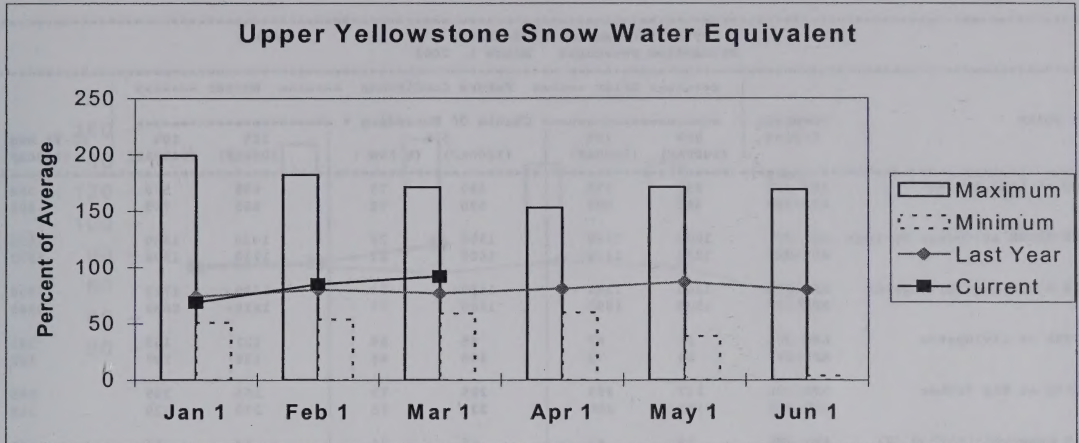
Watershed	Number of Data Sites	This Year as % of Last Yr	
		Average	
ST. MARY	3	68	71
BEARPAW MOUNTAINS	4	122	67
CYPRESS HILLS, CANADA	6	155	66
MILK RIVER BASIN	9	138	68
ST. MARY & MILK BASINS	13	81	69

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
 (2) - The value is natural volume -

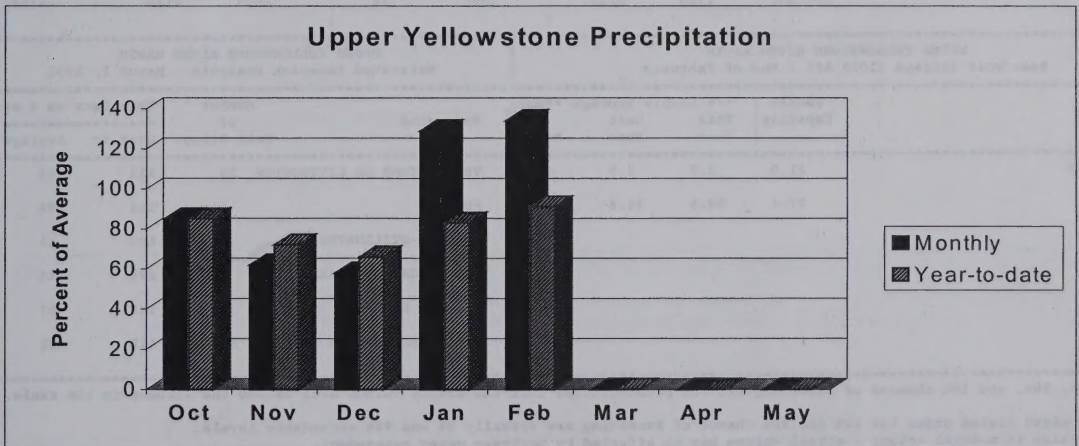
Upper Yellowstone River Basin

Snowpack conditions in the Upper Yellowstone River Basin were below average. Snow water content was 92 percent of average and 122 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1997 and minimum swe was in 2001; April maximum swe was in 1997 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1996 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during February was 124 percent of average and 190 percent of last year. Valley precipitation during February was 221 percent of average and 306 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2002, was 91 percent of average and 113 percent of last year.



Mystic Lake storage was 80 percent of average and 91 percent of last year and Cooney storage was 125 percent of average and 122 percent of last year.

Surface Water Supply Index (SWSI) was -2.3 in the Yellowstone River above Livingston; -2.3 in the Shields River; -2.8 in the Boulder River; -2.6 in the Stillwater River; -1.8 in the Rock/Red lodge Creeks; -2.6 in the Clarks Fork River; and -2.4 in the Yellowstone River above Bighorn River.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - March 1, 2003

Forecast Point	Forecast Period	<<----- Drier ----- Future Conditions ----- Wetter ----->>						30-Yr Avg. (1000AF)
		Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
YELLOWSTONE at Lake Outlet	APR-JUL	290	375	430	73	485	570	590
	APR-SEP	395	505	580	72	655	765	805
YELLOWSTONE RIVER at Corwin Springs	APR-JUL	1020	1180	1300	79	1420	1580	1650
	APR-SEP	1270	1470	1600	81	1730	1930	1970
YELLOWSTONE RIVER near Livingston	APR-JUL	1240	1380	1480	78	1580	1720	1900
	APR-SEP	1520	1690	1800	79	1910	2080	2280
SHIELDS RIVER nr Livingston	APR-JUL	25	67	95	66	123	165	145
	APR-SEP	24	72	105	65	138	187	162
BOULDER RIVER at Big Timber	APR-JUL	147	193	225	79	255	305	285
	APR-SEP	151	200	235	75	270	320	315
MYSTIC LAKE Reservoir Inflow (2)	APR-JUL	34	41	45	76	49	56	59
	APR-SEP	45	52	57	75	62	69	76
STILLWATER RIVER nr Absarokee (2)	APR-JUL	275	340	385	78	430	495	495
	APR-SEP	335	405	455	78	505	575	585
CLARKS FORK RIVER nr Belfry	APR-JUL	310	365	400	74	435	490	540
	APR-SEP	335	390	430	72	470	525	595
COONEY RESERVOIR Inflow (2)	APR-JUL	13.0	29	40	85	51	67	47
	APR-SEP	22	39	50	88	61	78	57
YELLOWSTONE RIVER at Billings (2)	APR-JUL	1680	2230	2600	74	2970	3520	3510
	APR-SEP	1980	2620	3060	74	3500	4140	4120

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of February

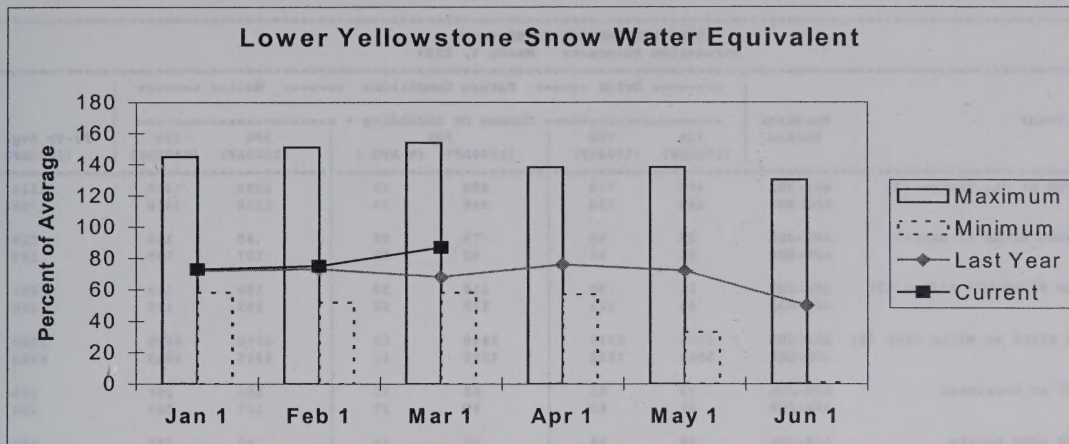
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	UPPER YELLOWSTONE RIVER BASIN Watershed Snowpack Analysis - March 1, 2003		
		This Year	Last Year	Avg		Number of Data Sites	This Year as % of Last Yr	% of Average
MYSTIC LAKE	21.0	3.2	3.5	4.0	YELLOWSTONE ab LIVINGSTON	18	111	88
COONEY	27.4	20.5	16.8	16.4	SHIELDS	5	112	98
					BOULDER-STILLWATER	4	109	89
					RED LODGE-ROCK CREEK	5	268	114
					CLARK'S FORK	7	128	93
					UPPER YELLOWSTONE BASIN	35	122	92

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
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Lower Yellowstone River Basin

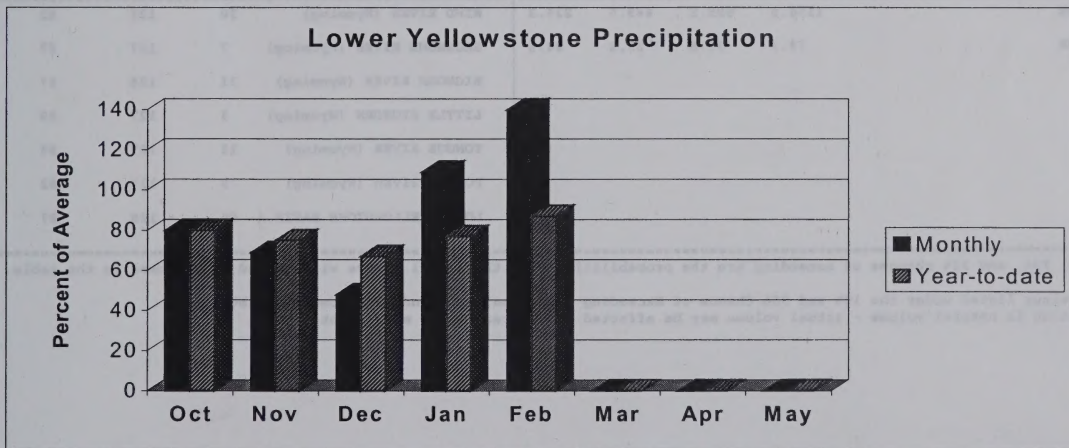
Snowpack conditions in the Lower Yellowstone River Basin, in Wyoming, were below average. Snow water content was 87 percent of average and 128 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 2000; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1986 and minimum swe was in 2001; April maximum swe was in 1986 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during February was 140 percent of average and 194 percent of last year.

Mountain and valley water year precipitation, beginning October 1, 2002, was 87 percent of average and 118 percent of last year.



Bighorn Lake storage was 72 percent of average and 89 percent of last year and Tongue River storage was 146 percent of average and 154 percent of last year.

Surface Water Supply Index (SWSI) was -3.7 in the Bighorn River below Bighorn Lake; -2.3 in the Little Bighorn River; -3.0 in the Yellowstone River below Bighorn River; -2.9 in the Tongue River; and -3.2 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - March 1, 2003

Forecast Point	Forecast Period	<<----- Drier ----- Future Conditions ----- Wetter ----->>				30-Yr Avg. (1000AF)		
		Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)		30% (1000AF)	10% (1000AF)
BIGHORN RIVER nr St. Xavier (2)	APR-JUL	460	710	880	55	1050	1300	1610
	APR-SEP	485	760	945	54	1130	1410	1760
LITTLE BIGHORN RIVER nr Hardin	APR-JUL	25	55	75	59	95	125	128
	APR-SEP	31	63	85	59	107	139	144
TONGUE RIVER RESERVOIR Inflow (2)	APR-JUL	61	90	110	50	130	159	220
	APR-SEP	82	111	130	52	149	178	250
YELLOWSTONE RIVER at Miles City (2)	APR-JUL	2075	2910	3480	65	4050	4880	5360
	APR-SEP	2563	3532	4190	68	4845	5815	6210
POWDER RIVER at Moorehead	APR-JUL	32	52	65	32	106	167	205
	APR-SEP	47	69	85	37	127	189	230
POWDER RIVER near Locate	APR-JUL	48	58	65	28	90	127	235
	APR-SEP	64	78	87	34	115	155	260
YELLOWSTONE RIVER nr Sidney (2)	APR-JUL	1844	2700	3280	60	3860	4720	5480
	APR-SEP	2210	3190	3860	62	4530	5510	6280

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
BIGHORN LAKE	1356.0	595.5	669.5	826.3
TONGUE RIVER	79.1	35.8	23.2	24.6

LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - March 1, 2003

Watershed	Number of Data Sites	This Year as % of Last Yr	
		Average	Average
WIND RIVER (Wyoming)	20	125	82
SHOSHONE RIVER (Wyoming)	7	127	87
BIGHORN RIVER (Wyoming)	21	125	87
LITTLE BIGHORN (Wyoming)	3	127	90
TONGUE RIVER (Wyoming)	11	127	94
POWDER RIVER (Wyoming)	9	117	82
LOWER YELLOWSTONE BASIN (	50	128	87

* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

(2) - The value is natural volume - actual volume may be affected by upstream water management.



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